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SHELF EDGE EXCHANGE PROCESSES — II
SEEP2-08, R/V ENDEAVOR CRUISE 188

HYDROGRAPHIC DATA REPORT

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INTRODUCTION

The Shelf Edge Exchange Processes (SEEP) program sponsored by the United States Department of Energy is a multi-institutional effort designed to investigate the flux of suspended material from the continental shelf to the waters of the upper slope, and then possibly into the slope sediments. Phase I of SEEP consisted of a series of nine cruises and a mooring array across the outer continental shelf of New England during 1983 - 1984 (Behrens and Flagg, 1986). Phase II focused specifically on the shelf/slope frontal region of the mid-Atlantic bight off the Delmarva Peninsula. This project consisted of a series of ten cruises, a mooring array, and a series of over-flights by NASA aircraft. Hydrographic data were collected on eight of the cruises, six of which were primarily mooring deployment or recovery cruises. The cruises were consecutively designated SEEP2-01 to SEEP2-10. Two cruises (SEEP2-04 and SEEP2-07) were dedicated to investigating benthic processes and hydrographic data were not collected.

The R/V ENDEAVOR cruise 188, SEEP2-08, took place from 8 - 21 November 1988 and deployed ten moorings along two cross-shelf lines (referred to as the North and South lines) across the outer continental shelf. During this cruise 58 CTD casts were made measuring pressure, temperature, conductivity, dissolved oxygen, fluorescence and light transmission. Discrete samples were taken in rosette-mounted Niskin bottles and analyzed for concentration of nutrients, chlorophyll a, dissolved oxygen, and particulate organic

carbon and nitrogen. Figure 1 shows the location of the moorings and all of the hydrographic stations. Figure 2 gives the location of hydrographic stations within the SEEP-II area only. Station positions, sample times and water depths are given in Table 1. Mooring positions and depths are given in Table 2. The chief scientist for this cruise was P. Biscaye (Lamont-Doherty Geological Observatory).

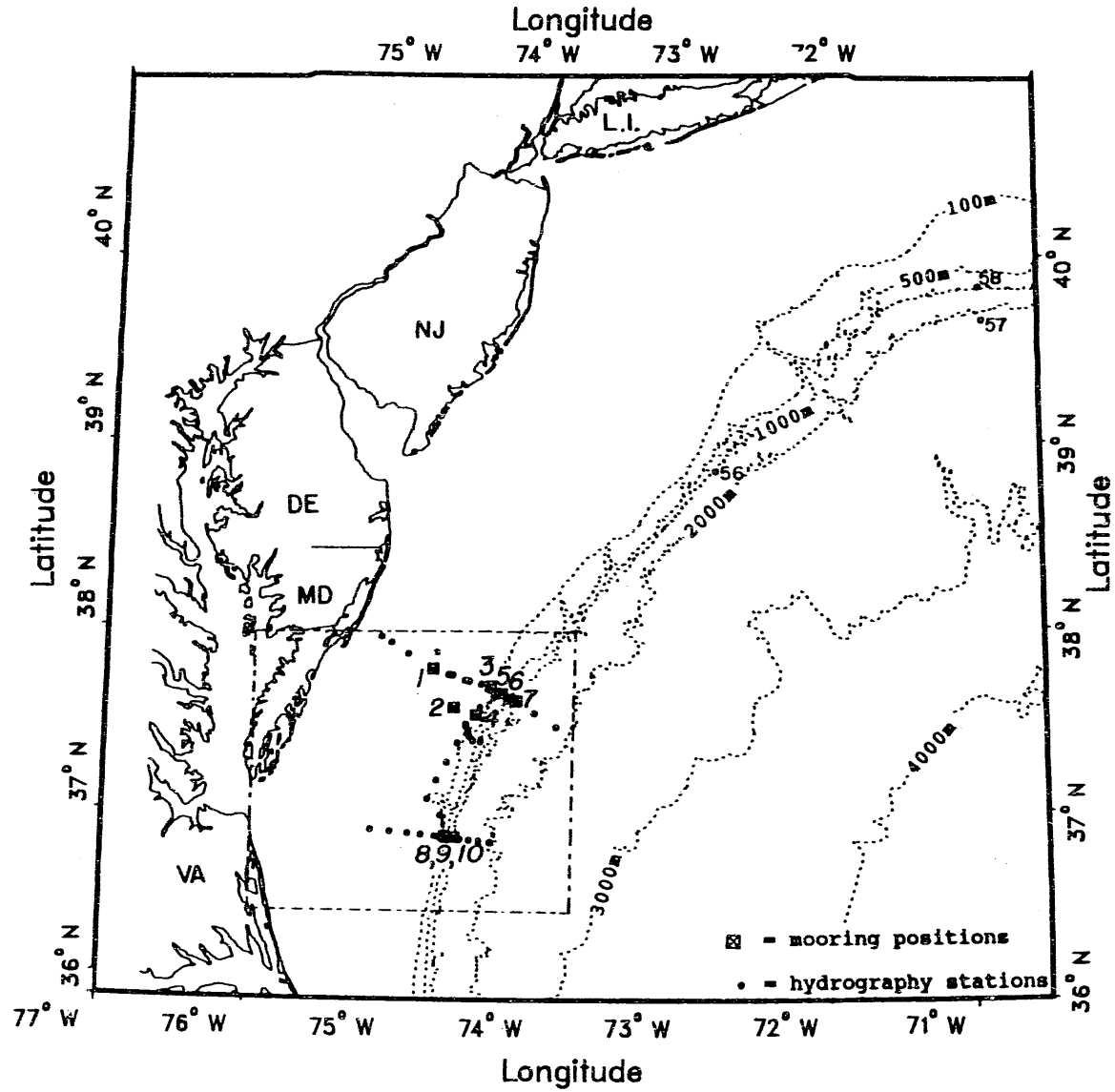

Figure 1. Station map (complete)

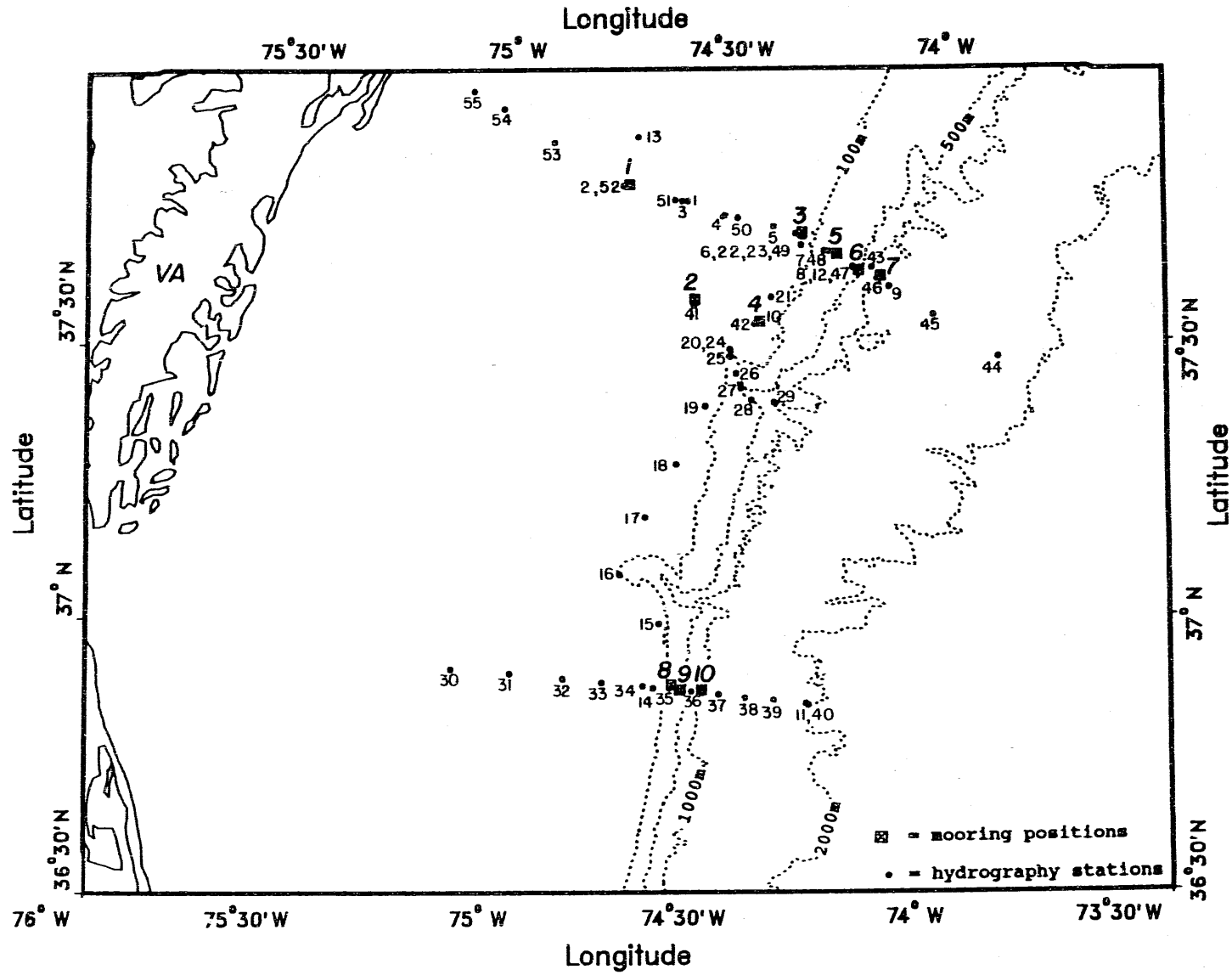

Figure 2. Station map (SEEP-II area only)

TABLE 1

Station List

STATION	TRANSECT	MOORING NUMBER	DATE GMT	TIME GMT	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	SONIC DEPTH	BOTTOM TRIP
1			Nov 11, 88	13:20	37 45.47	74 36.34	56	54
2		1	Nov 11, 88	22:25	37 47.26	74 45.27	41	39
3			Nov 11, 88	23:40	37 45.49	74 37.11	54	52
4			Nov 12, 88	00:45	37 43.89	74 31.21	58	56
5			Nov 12, 88	02:00	37 42.64	74 24.40	67	65
6		3	Nov 12, 88	02:50	37 41.85	74 21.35	82	80
7		5	Nov 12, 88	03:45	37 39.89	74 16.75	116	114
8		6	Nov 12, 88	04:35	37 38.10	74 13.35	342	340
9			Nov 12, 88	05:45	37 36.03	74 8.40	1061	1059
10			Nov 12, 88	13:18	37 32.56	74 26.20	92	90
11			Nov 12, 88	23:30	36 50.50	74 20.00	1962	*****
12		6	Nov 13, 88	07:50	37 38.13	74 12.93	415	*****
13			Nov 13, 88	17:40	37 52.61	74 43.17	45	*****
14	1		Nov 15, 88	02:10	36 52.40	74 41.52	91	*****
15	1		Nov 15, 88	03:25	36 59.37	74 40.66	90	*****
16	1		Nov 15, 88	04:17	37 4.72	74 46.05	100	98
17	1		Nov 15, 88	05:20	37 11.06	74 42.47	92	*****
18	1		Nov 15, 88	06:20	37 16.95	74 38.11	91	*****
19	1		Nov 15, 88	07:15	37 23.30	74 34.03	91	89
20	1		Nov 15, 88	08:15	37 29.41	74 30.58	143	*****
21	1		Nov 15, 88	09:15	37 35.00	74 24.78	91	*****
22	1	3	Nov 15, 88	10:15	37 41.53	74 20.54	92	*****
23		3	Nov 15, 88	12:37	37 41.49	74 20.17	96	*****
24	4		Nov 15, 88	23:25	37 29.38	74 30.57	134	*****
25	4		Nov 15, 88	23:55	37 28.60	74 30.51	222	*****
26	4		Nov 16, 88	00:38	37 26.78	74 29.69	321	319
27	4		Nov 16, 88	01:30	37 25.26	74 29.07	500	498
28	4		Nov 16, 88	02:22	37 23.94	74 27.61	478	476

STATION	TRANSECT	MOORING NUMBER	DATE GMT	TIME GMT	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	SONIC DEPTH	BOTTOM TRIP
29	4		Nov 16, 88	03:15	37 23.69	74 24.48	1095	1093
30	2		Nov 17, 88	20:25	36 54.50	75 9.48	33	31
31	2		Nov 17, 88	21:15	36 54.01	75 1.35	37	35
32	2		Nov 17, 88	22:10	36 53.46	74 54.00	40	38
33	2		Nov 17, 88	22:55	36 53.02	74 48.60	55	53
34	2		Nov 17, 88	23:35	36 52.63	74 42.93	82	80
35	2	8	Nov 18, 88	00:10	36 52.42	74 39.29	124	122
36	2		Nov 18, 88	00:49	36 52.04	74 36.22	758	756
37	2		Nov 18, 88	02:00	36 51.70	74 32.44	1287	1285
38	2		Nov 18, 88	03:42	36 51.30	74 28.81	1675	*****
39	2		Nov 18, 88	05:25	36 51.05	74 24.84	1940	*****
40	2		Nov 18, 88	07:05	36 50.68	74 20.34	1940	*****
41		2	Nov 18, 88	12:55	37 34.15	74 35.50	57	55
42		4	Nov 18, 88	16:47	37 32.11	74 27.13	86	84
43			Nov 19, 88	12:52	37 38.11	74 10.83	735	*****
44	3		Nov 19, 88	14:57	37 28.41	73 53.34	1840	*****
45	3		Nov 19, 88	16:55	37 32.99	74 2.32	1270	*****
46	3	7	Nov 19, 88	18:18	37 36.81	74 10.13	965	*****
47	3	6	Nov 19, 88	19:45	37 38.19	74 13.50	325	*****
48	3	5	Nov 19, 88	19:55	37 39.96	74 17.43	105	*****
49	3	3	Nov 19, 88	21:08	37 40.58	74 20.59	95	93
50	3		Nov 19, 88	22:35	37 43.61	74 29.41	59	57
51	3		Nov 19, 88	23:29	37 45.60	74 38.09	53	51
52	3	1	Nov 20, 88	00:12	37 47.64	74 44.65	39	37
53	3		Nov 20, 88	01:18	37 52.02	74 54.85	27	25
54	3		Nov 20, 88	02:08	37 55.78	75 1.89	17	15
55	3		Nov 20, 88	02:54	37 57.73	75 6.07	13	11
56			Nov 20, 88	14:03	38 51.70	72 47.03	1250	*****
57			Nov 20, 88	22:44	39 39.52	70 53.91	924	922
58			Nov 21, 88	00:38	39 50.00	70 55.06	975	*****

TABLE 2

SEEP2-08 Mooring Positions

Mooring	Latitude N	Longitude W	Depth (m)
1	37 47.62	74 44.60	38
2	37 34.69	74 36.13	61
3	37 41.96	74 20.27	91
4	37 32.43	74 26.74	90
5	37 39.73	74 15.78	131
6	37 37.96	74 12.77	415
7	37 37.17	74 09.86	1000
8	36 52.64	74 38.96	135
9	36 52.14	74 37.64	427
10	36 52.13	74 34.54	985

The following symbols are used on the maps:

⊠ = mooring positions

• = hydrography stations

METHODS

Instrumentation

Hydrographic data were collected using a Neil Brown Instrument Systems Mark IIIB CTD underwater unit with a model 1150 deck data terminal. A shallow water, 0-1600 m, pressure sensor was used on all cruises. The CTD was equipped with a Beckman oxygen sensor and interfaced with a Sea Tech fluorometer, and a 25 cm. path length Sea Tech transmissometer. The fluorometer was set with a 1.0 second time constant and on the 3X scale. With this setup the full scale voltage of 5 volts corresponds to a chlorophyll a concentration of approximately 10 ug/liter. The time constant for the transmissometer was 0.1 second. The output signal from both the fluorometer and transmissometer was 0-5 volts DC.

All underwater instrumentation was mounted on a General Oceanics rosette multi-bottle sampler, model 1015-12, with a C1015-DC deck command module. The rosette was equipped with 5, 12 or 30 liter Niskin bottles and a mechanically triggered bottom-trip switch. The bottom-trip switch was triggered when a weight suspended from a lanyard beneath the rosette contacted the bottom. A 5 liter Niskin bottle was also closed by the same mechanism to collect a near bottom water sample. The bottom-trip switch signal was included in the data string transmitted to the ship and recorded with the CTD data. This provided the exact pressure at the time bottom contact was made.

A Kennedy, model 9832, 9-track magnetic tape unit recorded all CTD data from the 1150 deck terminal. Real-time graphical output was also available on a HP9845 computer connected to the CTD deck unit via a GPIB interface. A hard copy of these data were available immediately

after the cast, but represented averages calculated from every sixteenth data scan.

Signal Processing

The CTD underwater unit transmitted data to the 1150 deck unit at a rate of 16 scans per second. Each data scan consisted of a counter and 7 channels of data for pressure, temperature, conductivity, oxygen sensor current, oxygen sensor temperature, fluorometer signal and transmissometer signal. Down casts were processed by accepting only scans with increasing pressure, so that scans with decreasing pressure due to the roll of the ship were rejected. A gradient check was also applied to reject spikes in the data. The absolute value of the second derivative for pressure, temperature and conductivity was measured and gradient limits were set to reject extreme deviations. These limits were more lenient near the surface than below 50 dbar. The time rate of change of temperature over a 3 scan interval and oxygen current over a 240 scan interval (approximately 15 dbar) were calculated for later use in calibration algorithms. Scans were then binned and one meter averages calculated.

Calibration

The CTD pressure, temperature and conductivity sensor signals were calibrated by the manufacturer in January and August, 1988 and February, 1989. The practical salinity scale 1978 (Fofonoff and Millard, 1983) was used to calculate salinity from conductivity, temperature and pressure.

The Beckman oxygen sensor was calibrated after the method of Owens and Millard (1985) using Niskin bottle samples analyzed by the modified-Winkler titration method of Carpenter (1965). Niskin bottle

samples were taken from the up casts when the CTD winch was stopped. All CTD data used for calibration were from the corresponding down cast so that water circulation around the sensor was not interrupted. CTD temperature, pressure, conductivity, oxygen sensor current (Oc), dOc/dt, oxygen sensor temperature and titrated oxygen values were used to calculate the calibration coefficients using a quasi-Newtonian minimization routine from the IMSL computing library. The coefficients for oxygen current slope (S_{oc}), time constant (Tau), oxygen current bias (B_{oc}), and weighting factor (W_T) are given in Table 3. This method accounts for the effects of temperature and pressure on the permeability of the sensor membrane, and includes a time lag correction, and an oxygen current bias. Dissolved oxygen concentrations are expressed in units of umole/liter and oxygen saturation values are calculated after the method of Benson and Krause (1984).

The fluorometer output is reported in units of volts because the conversion from in vivo fluorescence to chlorophyll a concentration is not well defined. A particular concern is that quenching effects result in an underestimation of the chlorophyll a concentrations in surface waters exposed to sunlight (Falkowski et. al., 1986). Unless taken into account, this would introduce a diurnal bias into the data.

TABLE 3.
SEEP2 Oxygen Calibration

Cruise	S_{oc}	Tau	B_{oc}	W_T	RMS Error[1]	n
SEEP2-01	2.576	6.964	0.133	0.908	11.597	74
SEEP2-02	2.946	5.660	0.019	0.374	4.895	246
SEEP2-03	3.334	16.610	-0.017	0.673	9.759	43
SEEP2-05	2.725	6.318	0.018	0.688	5.201	150
SEEP2-06	2.601	2.699	0.068	0.877	4.817	79
SEEP2-08	3.032	5.224	-0.056	0.351	4.600	122
SEEP2-09	2.445	2.359	0.174	1.300	8.597	208
SEEP2-10	2.858	8.113	0.051	0.809	5.854	357

$$OX = \left[S_{oc} \cdot \left(Oc + \tau \frac{dOc}{dt}\right) + B_{oc}\right] \cdot OXSAT(T,S) \cdot e^{[tcor \cdot (T + W_T \cdot (T_o - T)) + pcor \cdot p]}$$

where:

OX = CTD dissolved oxygen, µmole/ℓ
S_{oc} = oxygen current slope
Oc = CTD oxygen current, µamps
B_{oc} = oxygen current bias, µamps
$OXSAT(T,S)$ = oxygen saturation value, µmole/ℓ
T = CTD water temperature, °C
S = CTD salinity, psu
p = CTD pressure, dBars
τ = time constant (Tau), sec
T_o = CTD oxygen sensor temperature, °C
W_T = weighting factor
$tcor$ = temperature factor for membrane permeability = -0.0305
$pcor$ = pressure correction factor for membrane permeability = 0.0001438
n = number of data points

[1] RMS error = $\left(\frac{\Sigma(O_{titrated} - OX)^2}{n-1}\right)^{1/2}$

Nutrients

Subsamples of 60 ml were drawn from the Niskin bottles on the rosette within 10 minutes following a cast for nutrient analyses. Phosphate, silicate, nitrate, nitrite, and ammonium were measured using automated, continuous-flow colorometers whose data were acquired, and whose control was managed by a computer. The procedures of Whitledge et. al. (1981) were followed as they apply to a Technicon Autoanalyzer II which had been modified with small-volume glassware to optimize stability and sensitivity. The analytical methods of Murphy and Riley (1962) were followed for reactive phosphorous, and Armstrong et. al. (1967) for silicate and nitrate. Ammonium was measured by the phenolhypochlorite method of Koroleff (1970) as adapted to the Autoanalyzer by Slawyk and MacIsaac (1972) and modified by Patton and Crouch (1977).

The analytical accuracy was determined by measuring the absorbance of known concentrations of each analyte (standards) at least once every 12 hours. These were regressed on concentrations using a least squares method, from which updated calibration factors were derived. The standards of highest concentration were also included among each set of samples to monitor analytical stability (Whitledge et. al., 1981).

Nutrient concentrations were corrected for small levels of baseline water contamination by taking the most negative observed absorbance and setting it to zero. All absorbances were adjusted by an amount equivalent to a concentration change of less than 0.2 umole/liter.

A few negative concentrations remain in the database due to variability in the refractive index correction, or from the subtraction of NO_2 from NO_3+NO_2.

Chlorophyll a

Discrete concentrations were estimated fluorometrically aboard ship from samples at each station. Glass-fiber filters (Whatman GF/F) retaining phytoplankton from 140 or 280 ml subsamples were ground in 90% acetone (MCB Omnisolve) and the fluorescent emission of a vacuum-clarified extract measured before and after acidification with 1-2 drops of 1.0 N HCl (Yentsch and Menzel, 1963).

The fluorometer (Turner Designs Mod. 10-004R) was calibrated using serial dilutions of a pure chlorophyll a standard derived from laboratory cultures of spinach (Perkins and Roberts, 1962). The concentration of the standard was measured spectrophotometrically using an extinction coefficient of 87.67 l/g-cm at 664 nm. The fluorescence of each dilution (90% acetone) was read before (R_o) and after (R_a) acidification (10% HCl) on at least two sensitivity ranges. Calibration factors for all dilutions were computed by:

$$F = \frac{\text{ug chl a / ml}}{T\ (R_o - R_a)\ /\ (T-1)}$$

where F is the calibration factor for each dilution and T is the maximum ratio of R_o/R_a. The mean F determination was accepted as the calibration factor and any significant variations among the serial factors over the selected ranges were compensated by internal adjustments in the fluorometer.

Particulate organic Carbon and Nitrogen

Samples for particulate carbon and nitrogen analysis were collected in 250 ml or 500 ml bottles, filtered onto 13 mm or 25 mm precombusted glass fiber filters (Gelman type A/E), and frozen for subsequent laboratory analysis using a Perkin Elmer 240B Elemental analyzer.

Data Management

All CTD, Niskin bottle, station, and calibration data were entered into a Scientific Information Retrieval (SIR) database management system on a VAXstation 3200 at Brookhaven National Laboratory. Station data include cruise, station number, date (GMT), time (GMT), latitude (N), longitude (W), bottom depth (m), and bottom-trip depth (m). Associated CTD data are pressure (dbar), temperature (C), salinity (PSS-78), sigma-t, dissolved oxygen (umole/l), oxygen saturation (umole/l), dynamic height (cm), Brunt-Vaisala frequency (cycles/hr), fluorescence (0-5 volts DC), and beam attenuation coefficient (1/m). Niskin bottle data include nutrients (umole/l), chlorophyll a (ug/l), phaeophytin (ug/l), dissolved oxygen (umole/l), C-14 uptake (ug/l/hr), POC (ug/l), PON (ug/l), Freon-11 and 12 (pmole/l), and Freon 11 and 12 saturation (pmole/l). Productivity and Freon data are not presented in this data report.

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TEMPERATURE-SALINITY DIAGRAM

Isopleths of sigma-t are drawn with the values given on the right margin. The following symbols are used to indicate the depth from which samples were taken:

○ = 0 - 50 dbar

● = 51 - 100 dbar

□ = 101 - 200 dbar

■ = 201 - 2000 dbar

△ = 2001 - 3000 dbar

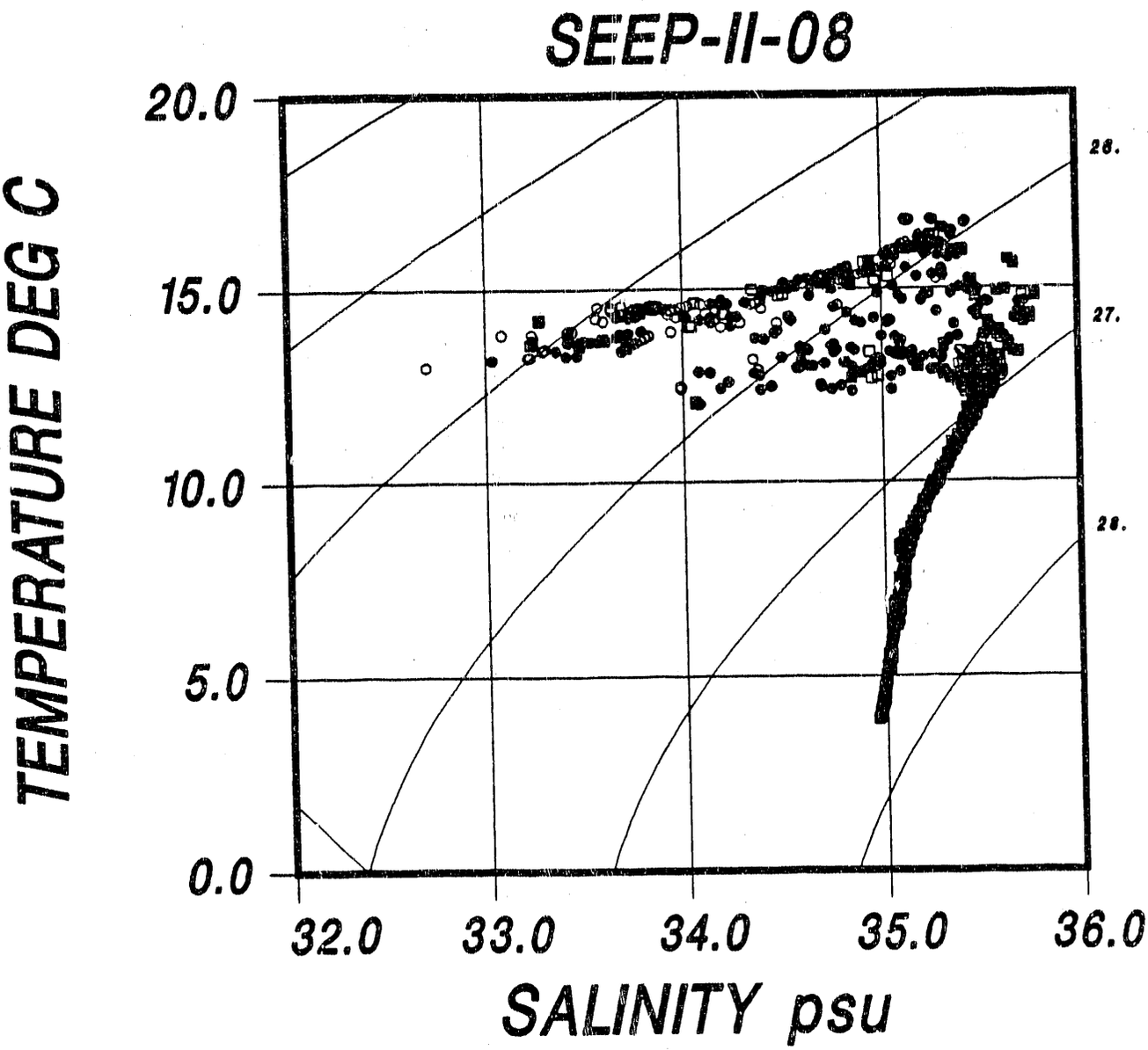


Figure 3. Temperature-Salinity diagram

CONTOURED CROSS-SECTIONS

Transect numbers are given following the cruise label. Station numbers are shown along the top margin. The "C" or "B" beneath the station number denotes whether data are from a CTD cast, or from Niskin bottle samples. The greatest sample depth for each station on the CTD contours is marked with a filled circle. All of the sample depths for the bottle values are marked with a filled circle. Surface values are listed along the top margin if found within 6 dbars of the surface. CTD contours are done for the top 200 meters and for the top 1000 meters for the canyon transect. The only Niskin bottle data available for contoured sections is in the top 100 meters. The following contour intervals are used for each variable:

Temperature	1.0 deg C
Salinity	0.2 psu
Sigma-t	0.2
Dissolved Oxygen	10.0 umole/l
Oxygen Saturation	5.0 %
Fluorescence	0.2 volts
Attenuation coeff.	0.05 m^{-1}
Phosphate	0.1 umole/l
Silicate	1.0 umole/l
Nitrate	2.0 umole/l
Nitrite	0.05 umole/l
Chlorophyll	0.5 ug/l

SEEP2-08 Transect 1
90 meter Isobath
CONTOURED CROSS-SECTIONS

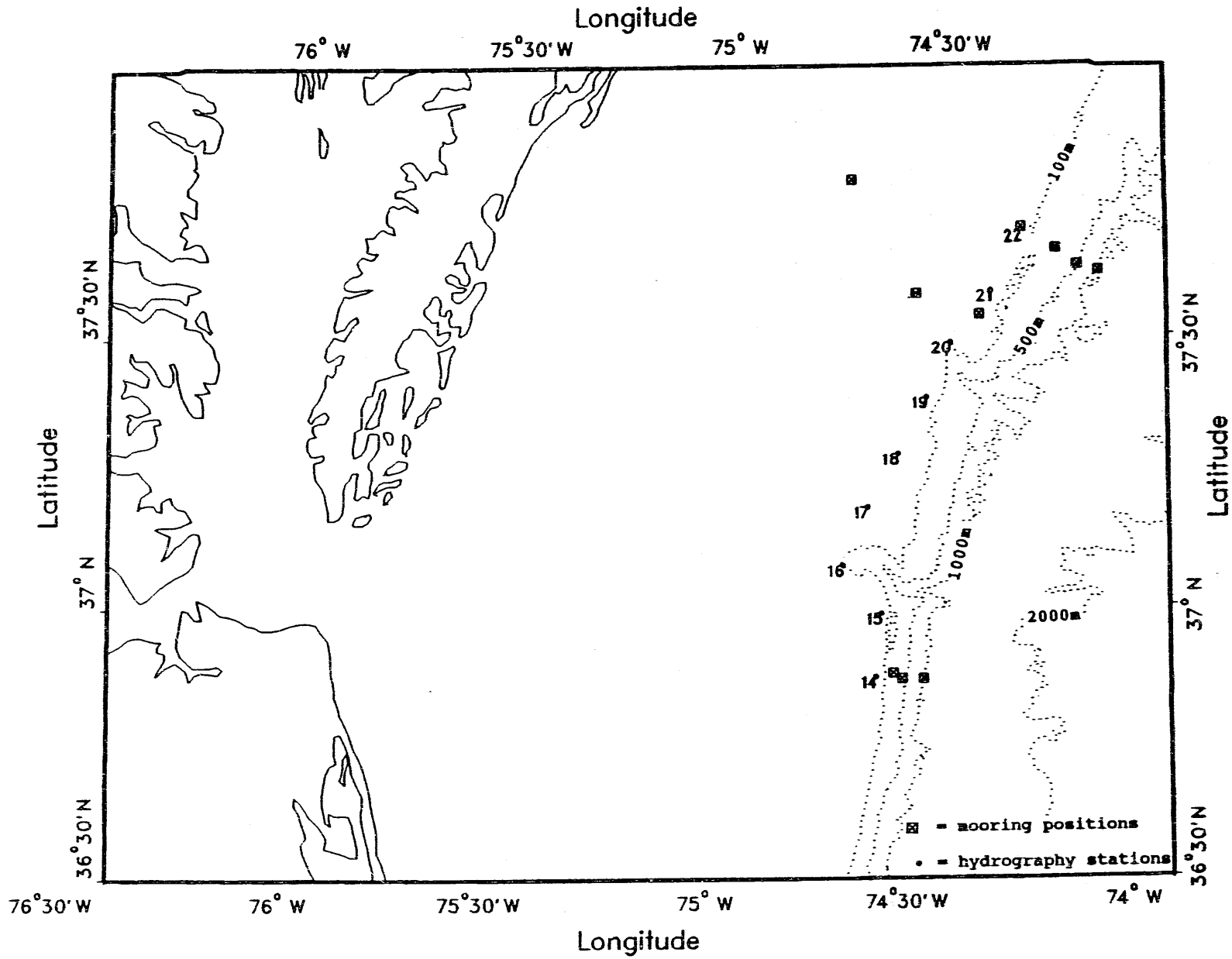
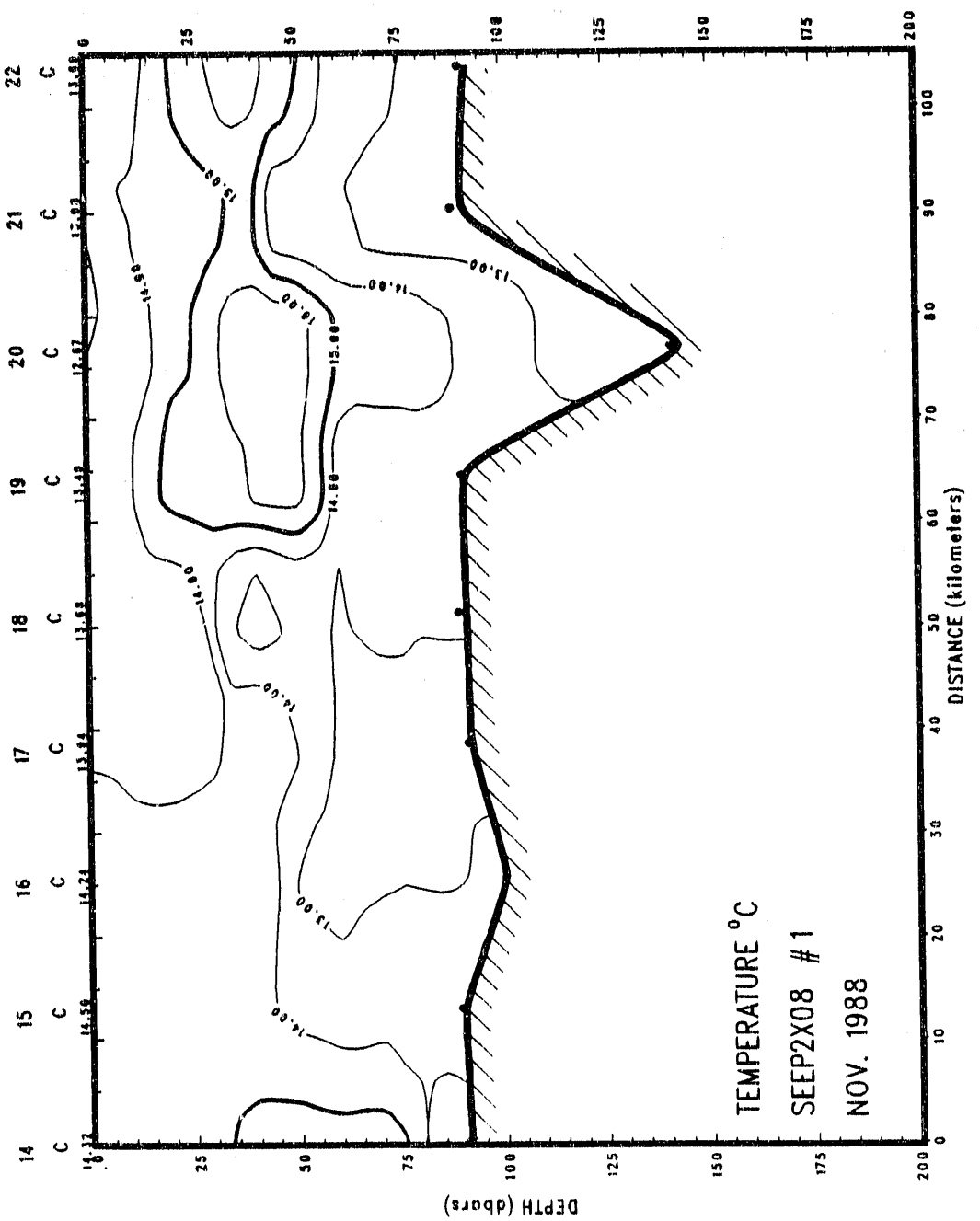


Figure 4. 90 meter Isobath (Transect 1) map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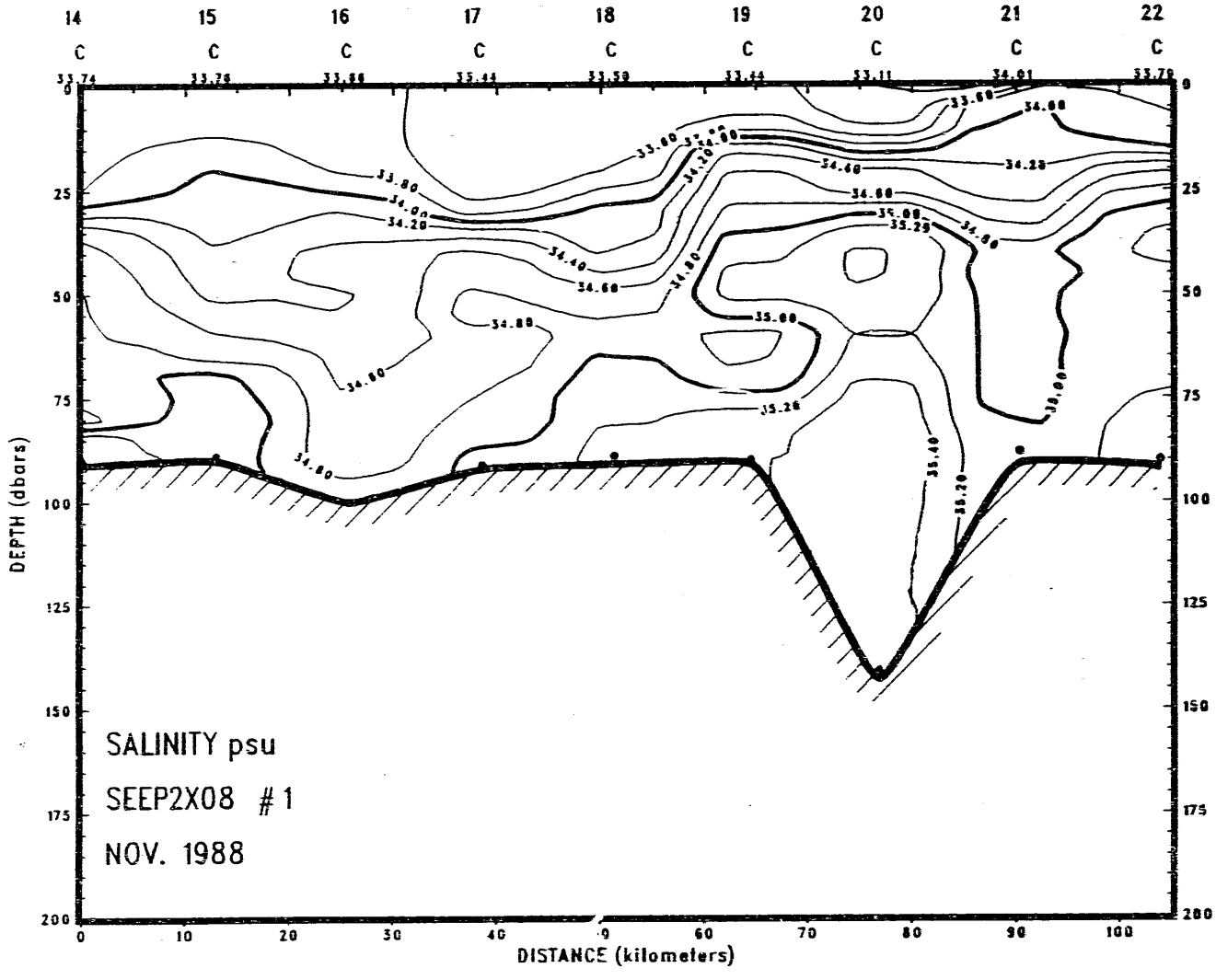
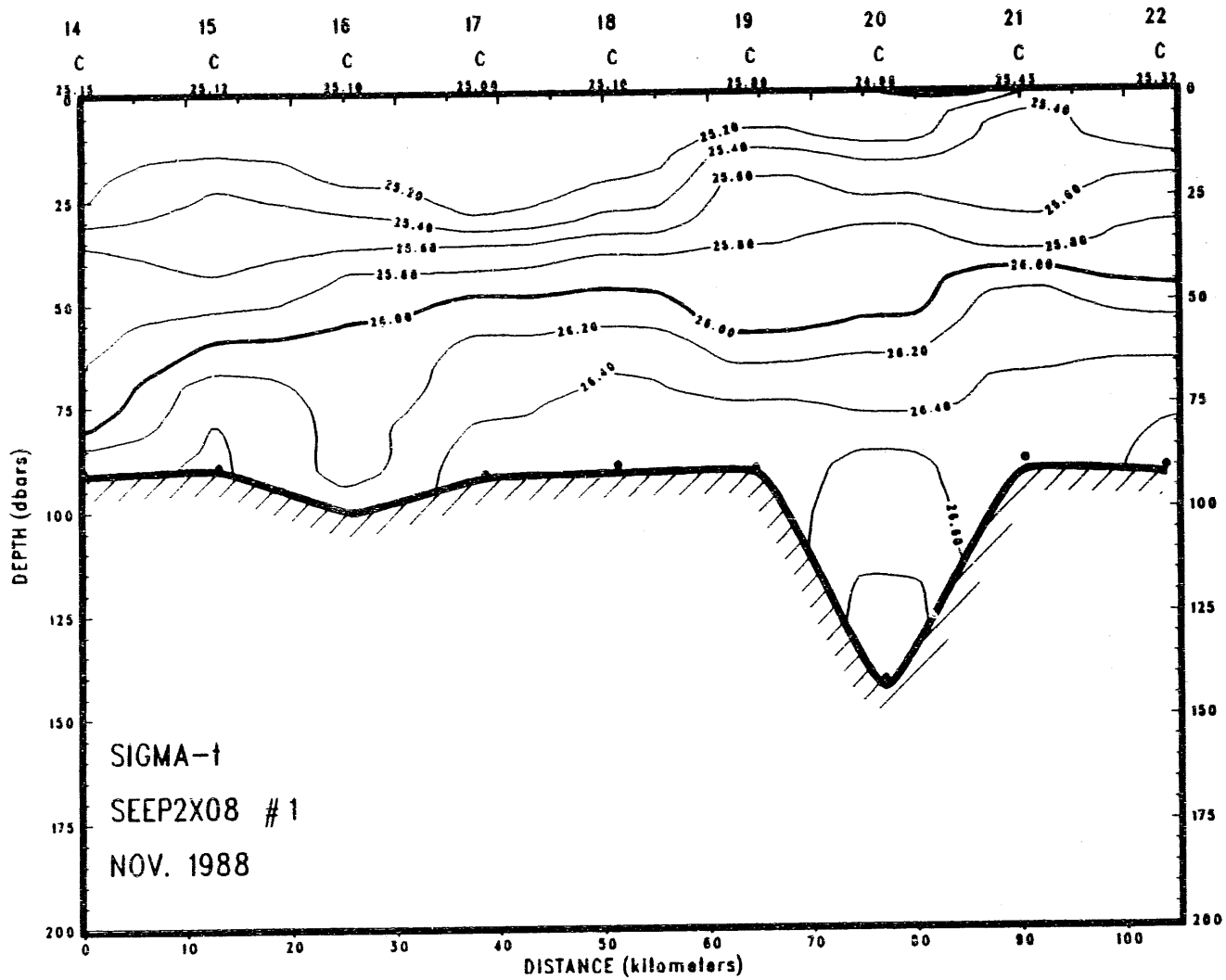
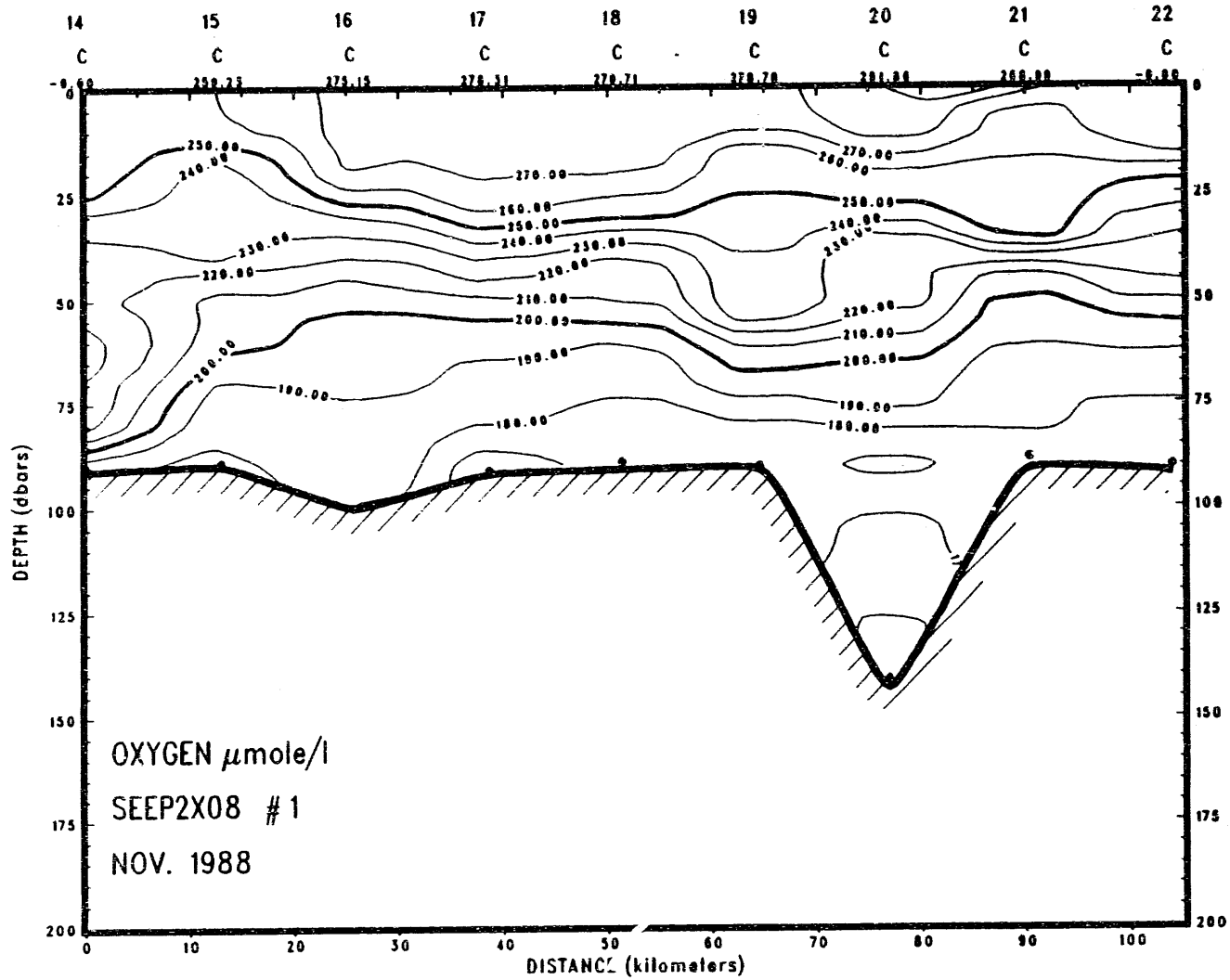
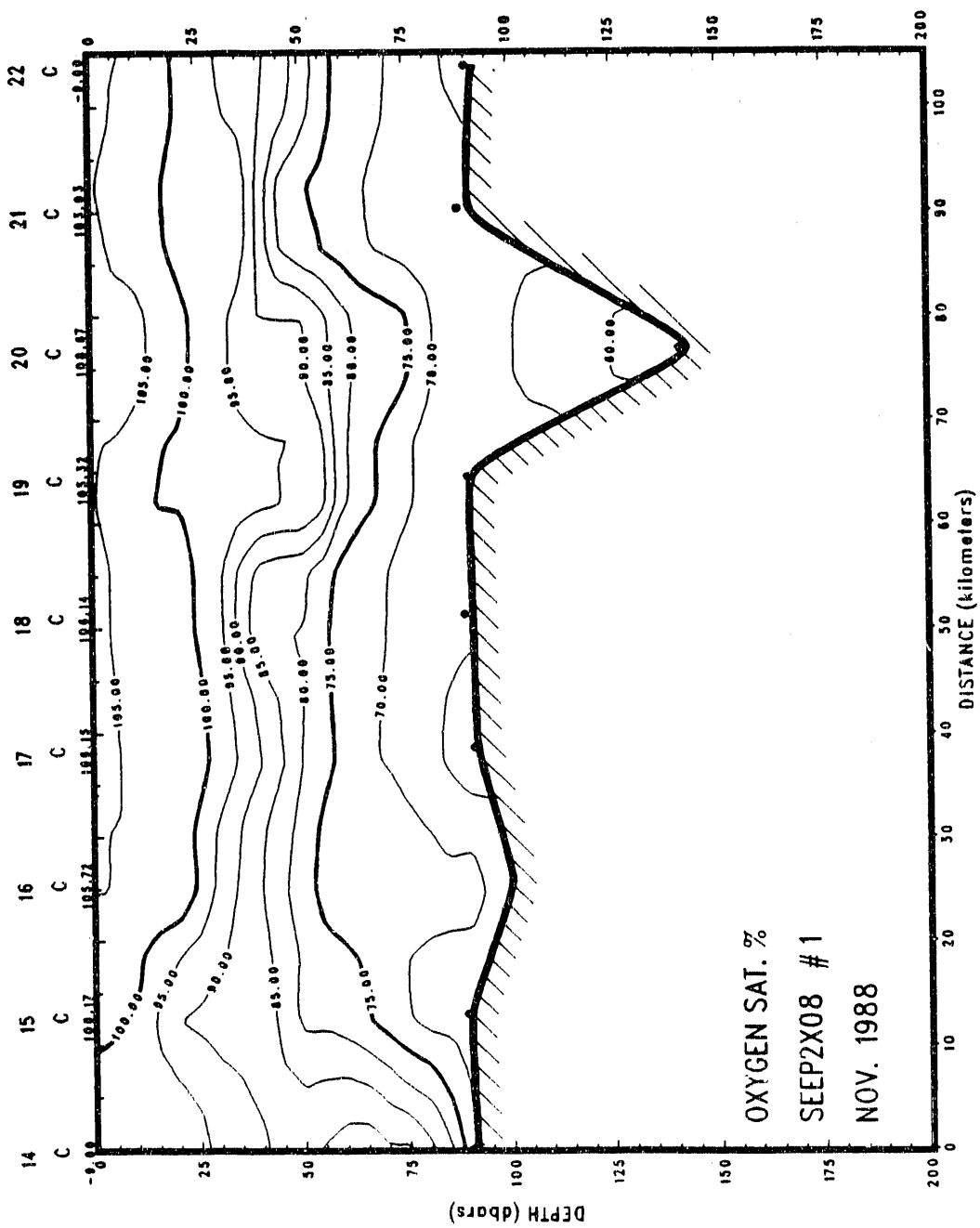
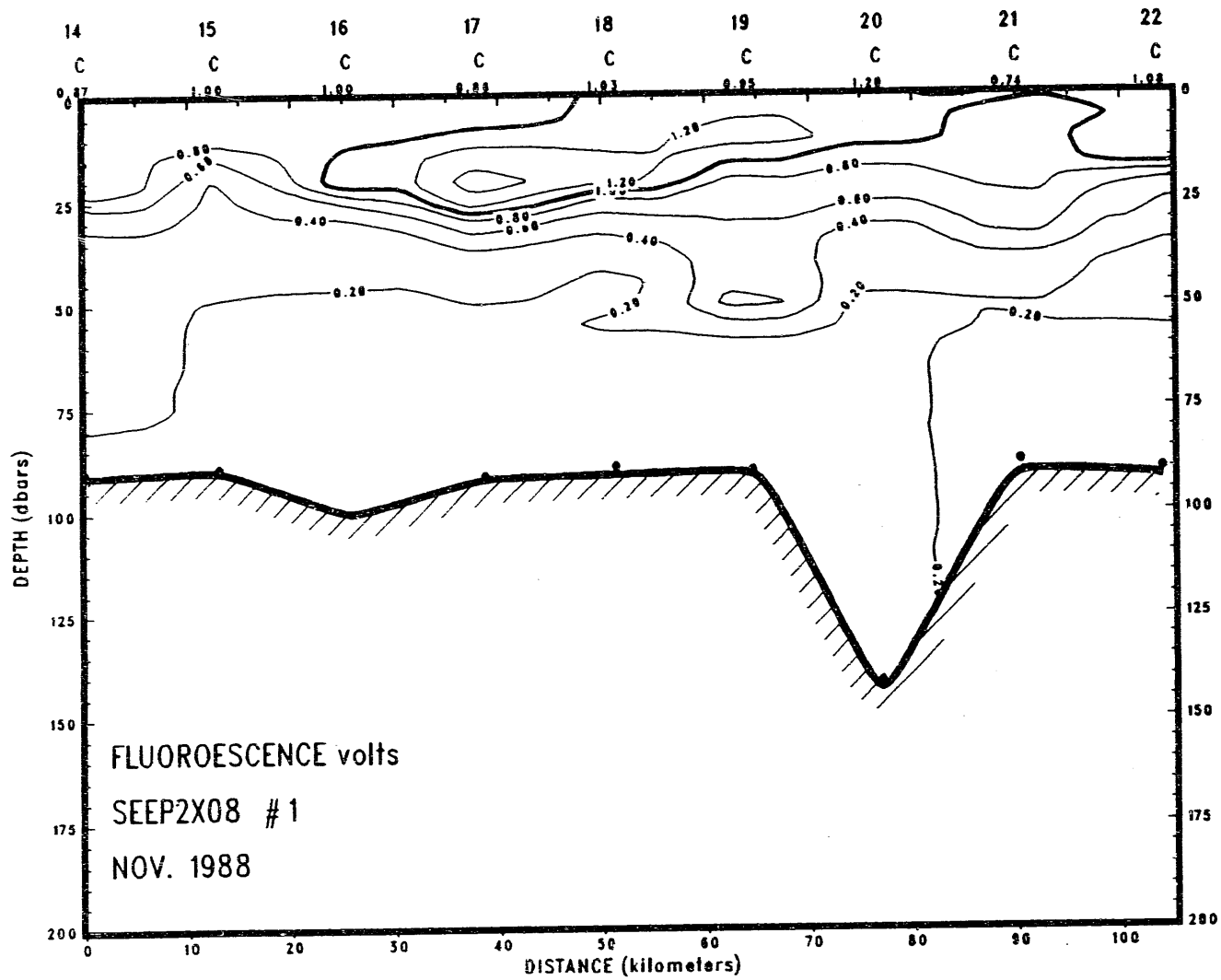
SEEP2X08 #1
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

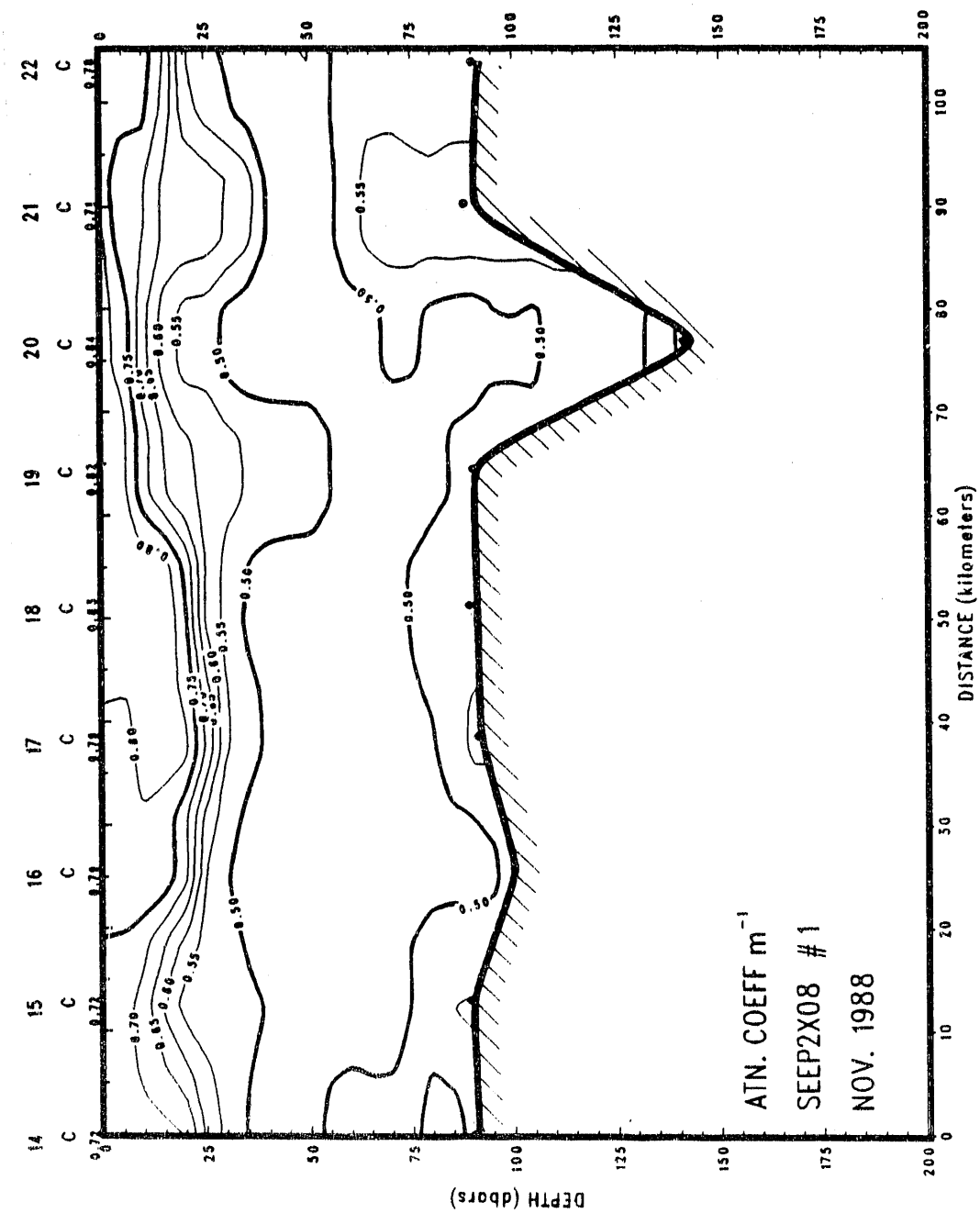

14 15 16 17 18 19 20 21 22
C C C C C C C C C
DEPTH (dbars)
DISTANCE (kilometers)
SALINITY psu
SEEP2X08 #1
NOV. 1988

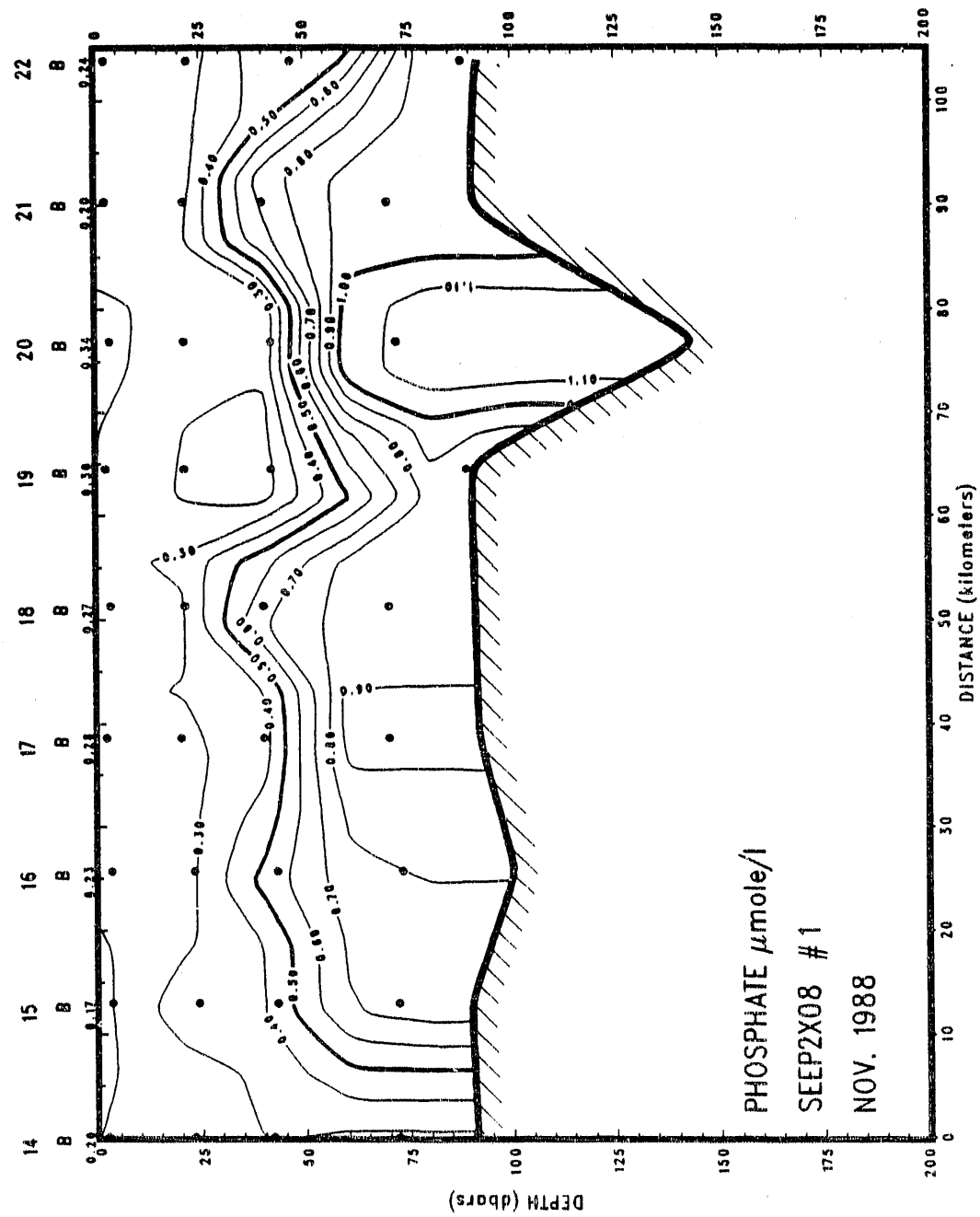

14 C
15 C
16 C
17 C
18 C
19 C
20 C
21 C
22 C
DEPTH (dbars)
DISTANCE (kilometers)
SIGMA-t
SEEP2X08 #1
NOV. 1988

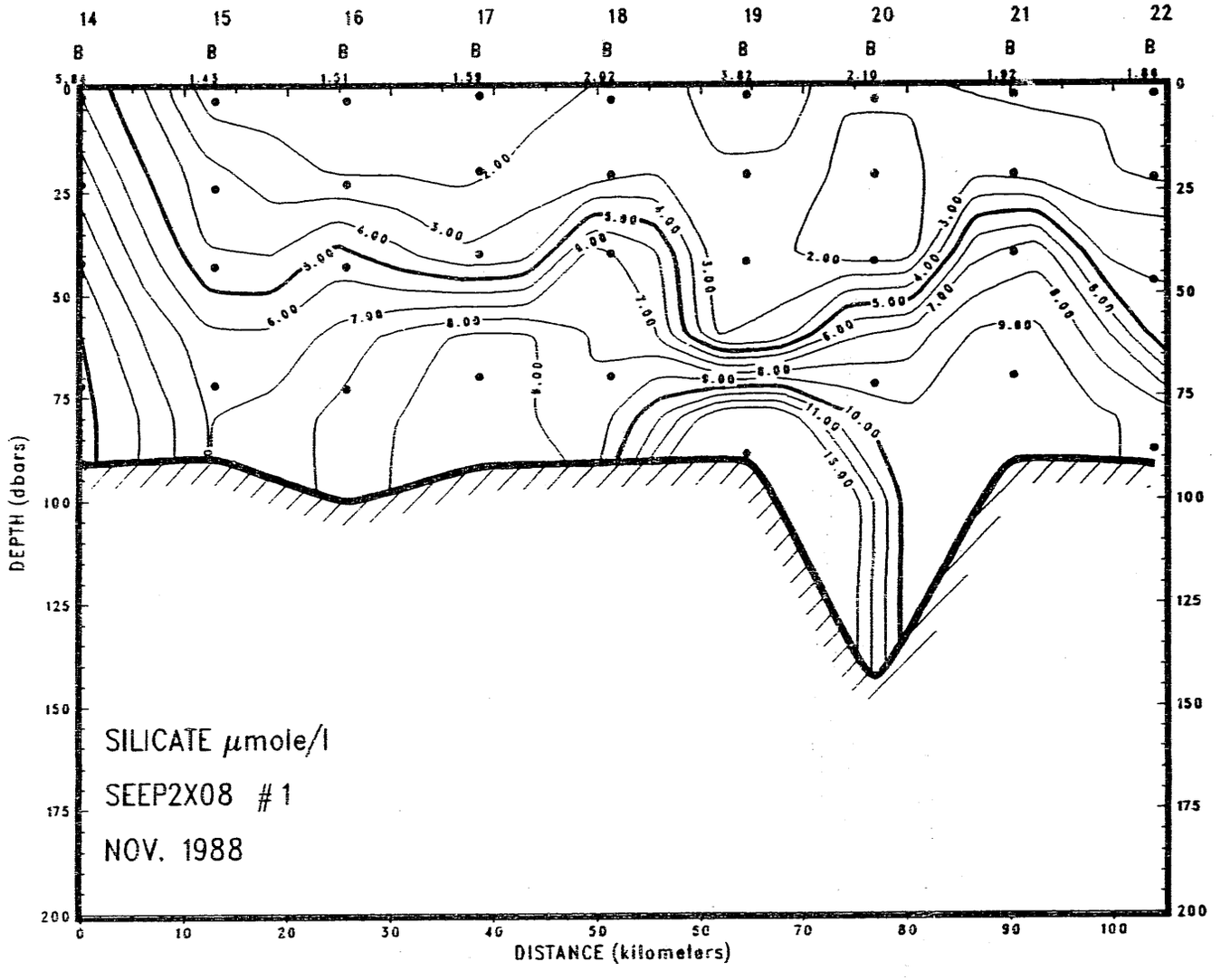

14 C
15 C
16 C
17 C
18 C
19 C
20 C
21 C
22 C
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN μmole/l
SEEP2X08 #1
NOV. 1988

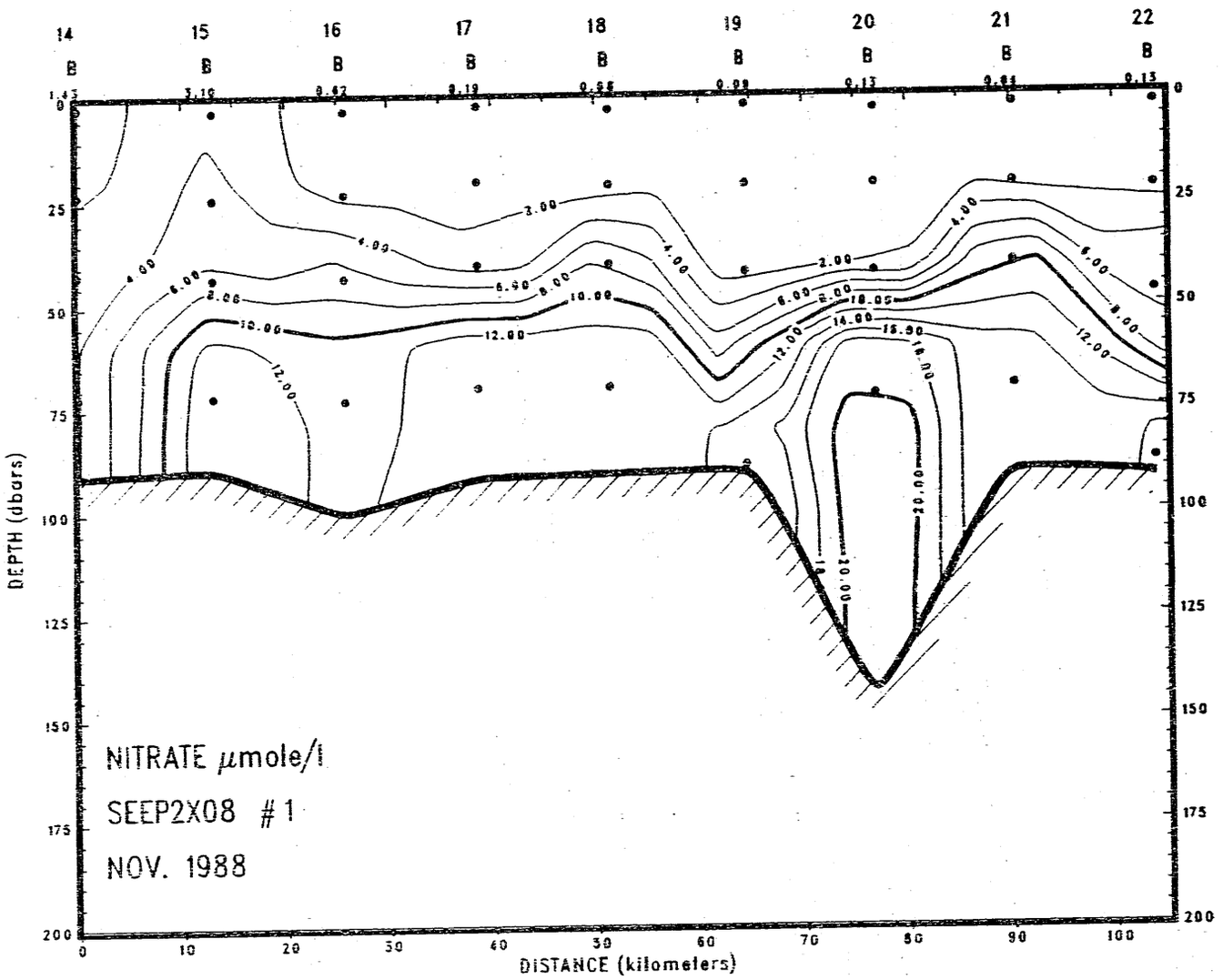

OXYGEN SAT. %
SEEP2X08 #1
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

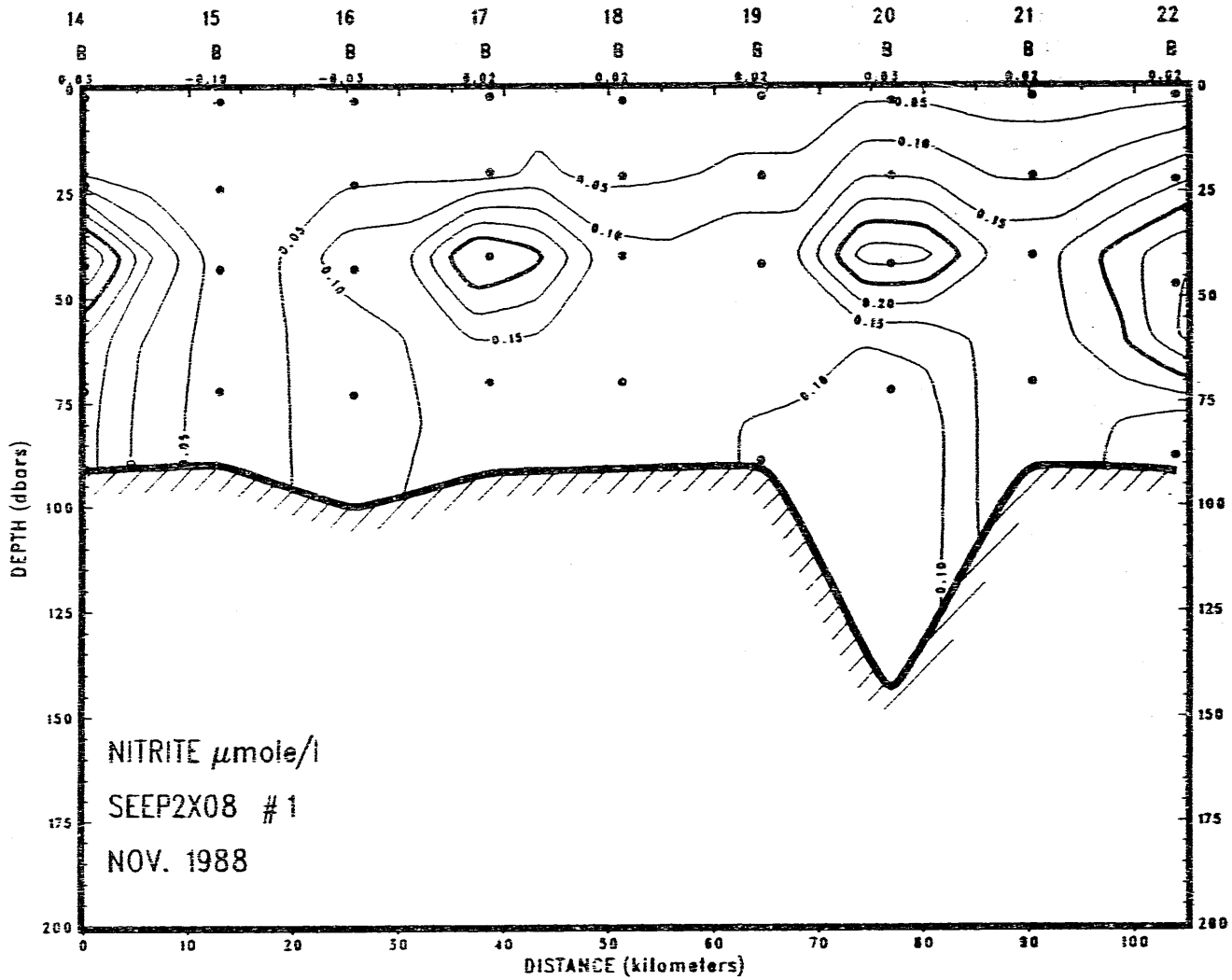

14 C
15 C
16 C
17 C
18 C
19 C
20 C
21 C
22 C
DEPTH (dbars)
DISTANCE (kilometers)
FLUOROESCENCE volts
SEEP2X08 #1
NOV. 1988

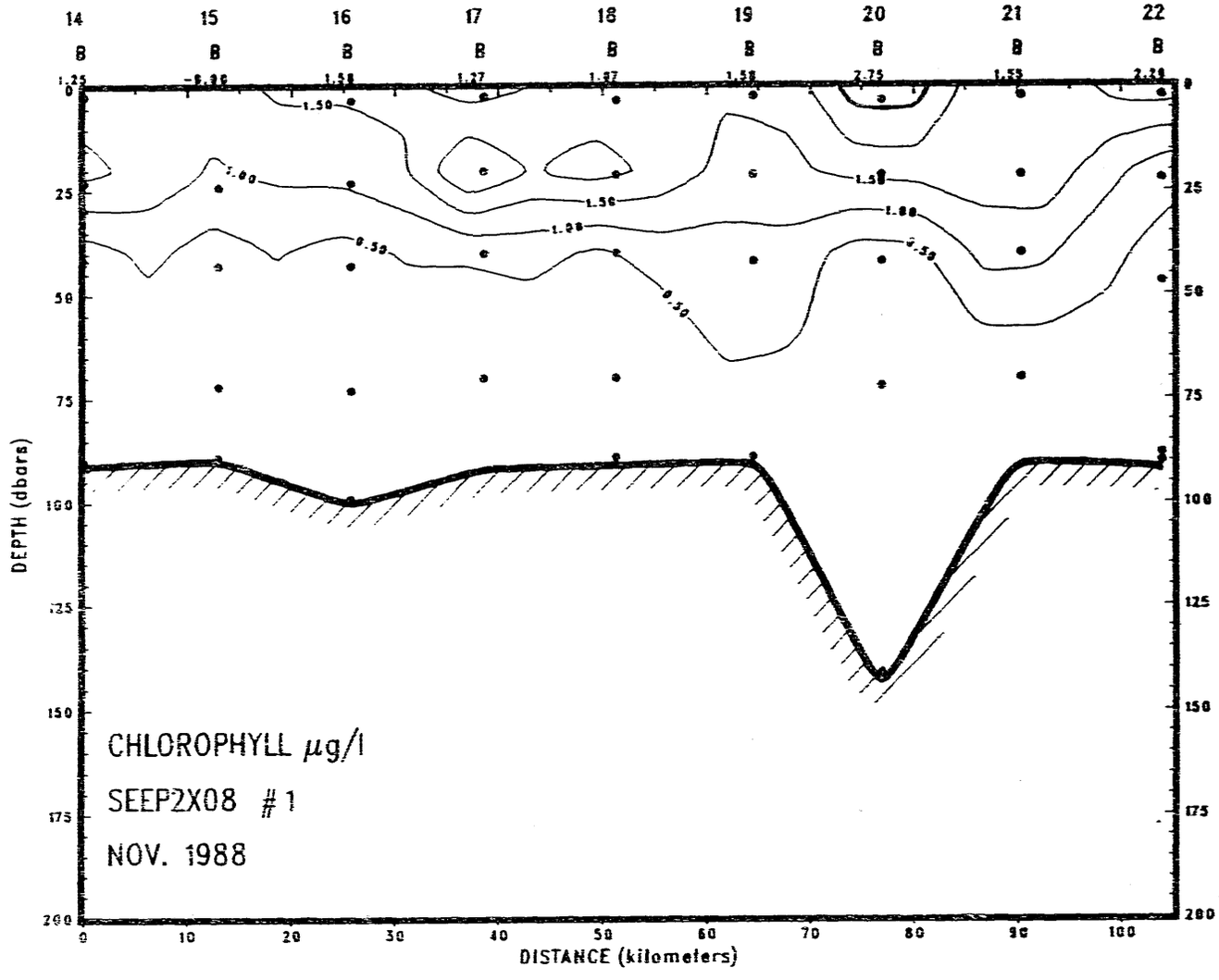

ATN. COEFF m^{-1}
SEEP2X08 #1
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

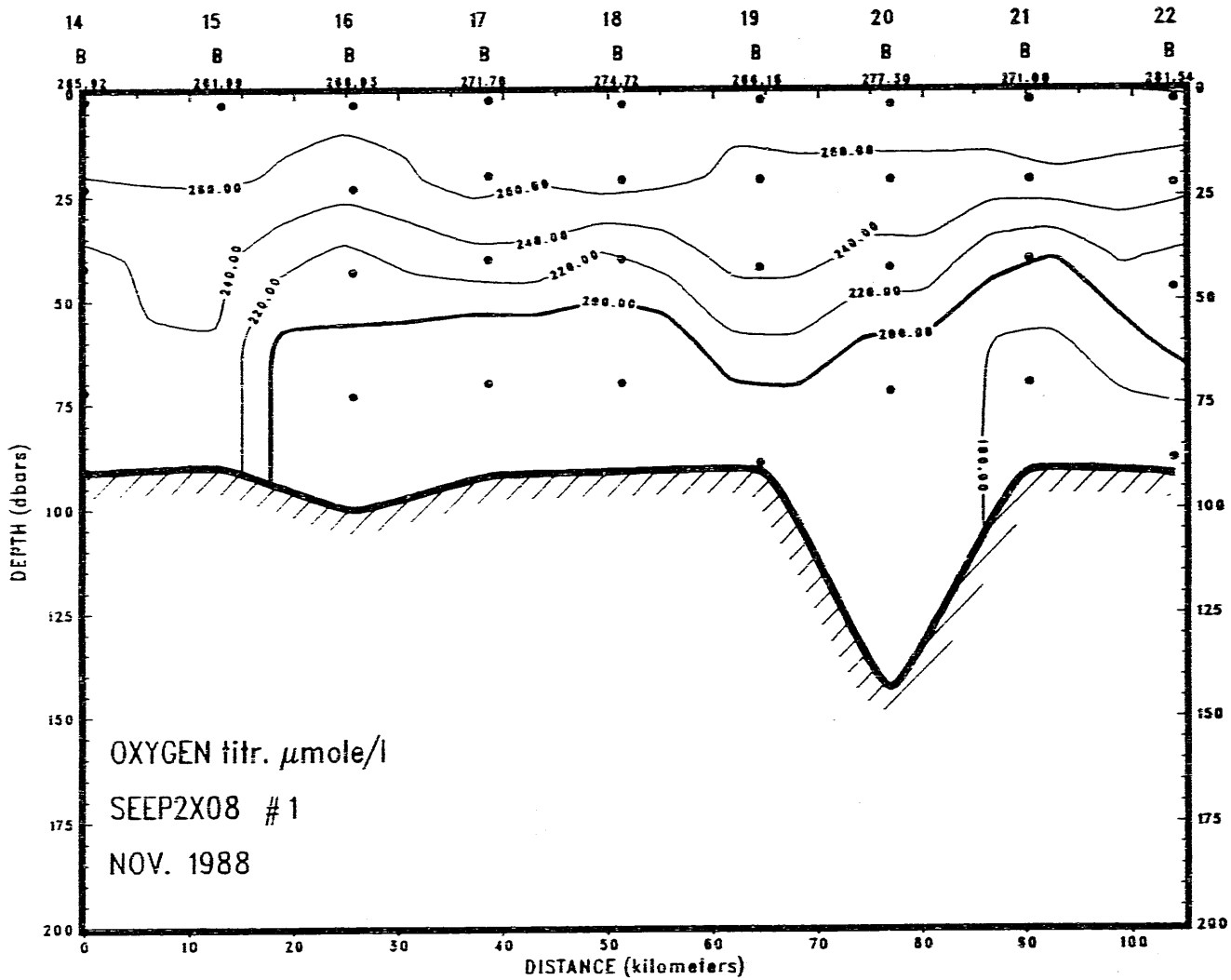

PHOSPHATE μmole/l
SEEP2X08 #1
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)


14
15
16
17
18
19
20
21
22
B
1.43
1.31
1.59
2.02
3.82
2.19
1.92
1.86
2.00
3.00
4.00
5.00
6.00
7.00
8.00
9.00
10.00
11.00
13.00
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
SILICATE μmole/l
SEEP2X08 #1
NOV. 1988
0
10
20
30
40
50
60
70
80
90
100
DISTANCE (kilometers)


14
15
16
17
18
19
20
21
22
B
DEPTH (dbars)
DISTANCE (kilometers)
NITRATE μmole/l
SEEP2X08 #1
NOV. 1988


14
15
16
17
18
19
20
21
22
B
DEPTH (dbars)
DISTANCE (kilometers)
NITRITE μmole/l
SEEP2X08 #1
NOV. 1988


14
15
16
17
18
19
20
21
22
B
1.50
1.00
1.50
1.00
0.50
0.50
0
25
50
75
100
125
150
175
200
DEPTH (dbars)
0
10
20
30
40
50
60
70
80
90
100
DISTANCE (kilometers)
CHLOROPHYLL μg/l
SEEP2X08 #1
NOV. 1988


14 15 16 17 18 19 20 21 22
B B B B B B B B B
260.00
250.00
240.00
230.00
220.00
210.00
200.00
190.00
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
OXYGEN titr. µmole/l
SEEP2X08 #1
NOV. 1988
0 10 20 30 40 50 60 70 80 90 100
DISTANCE (kilometers)

SEEP2-08 Transect 2

South Line

CONTOURED CROSS-SECTIONS

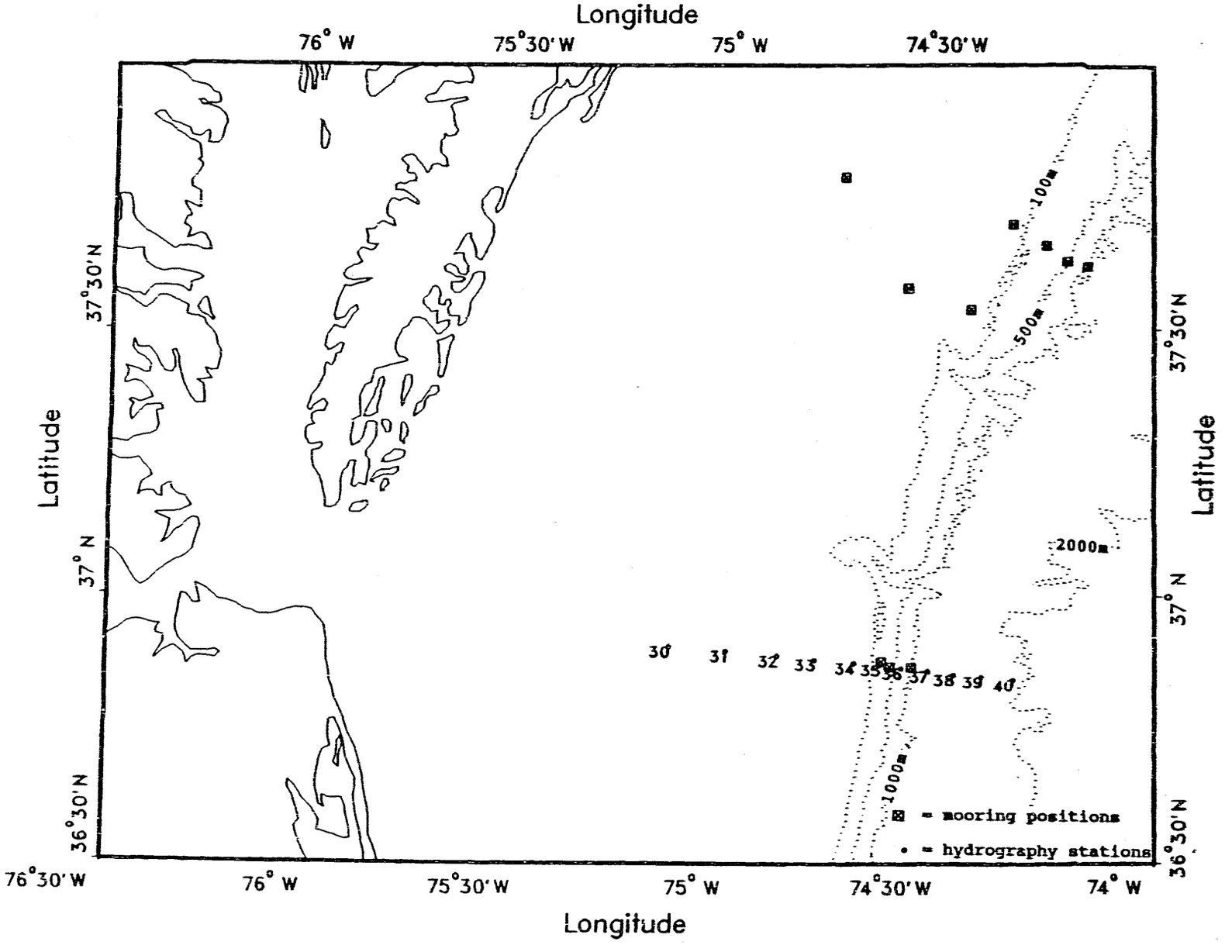
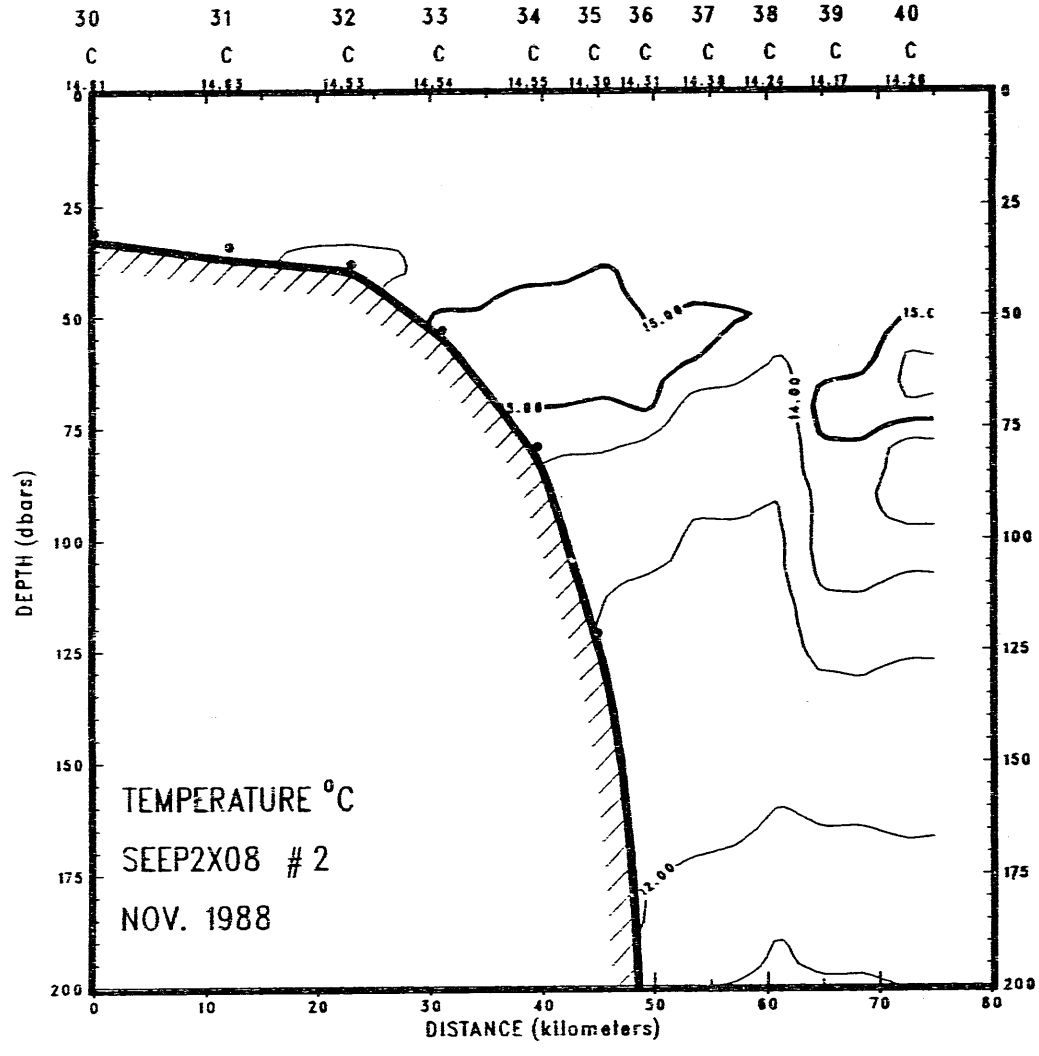
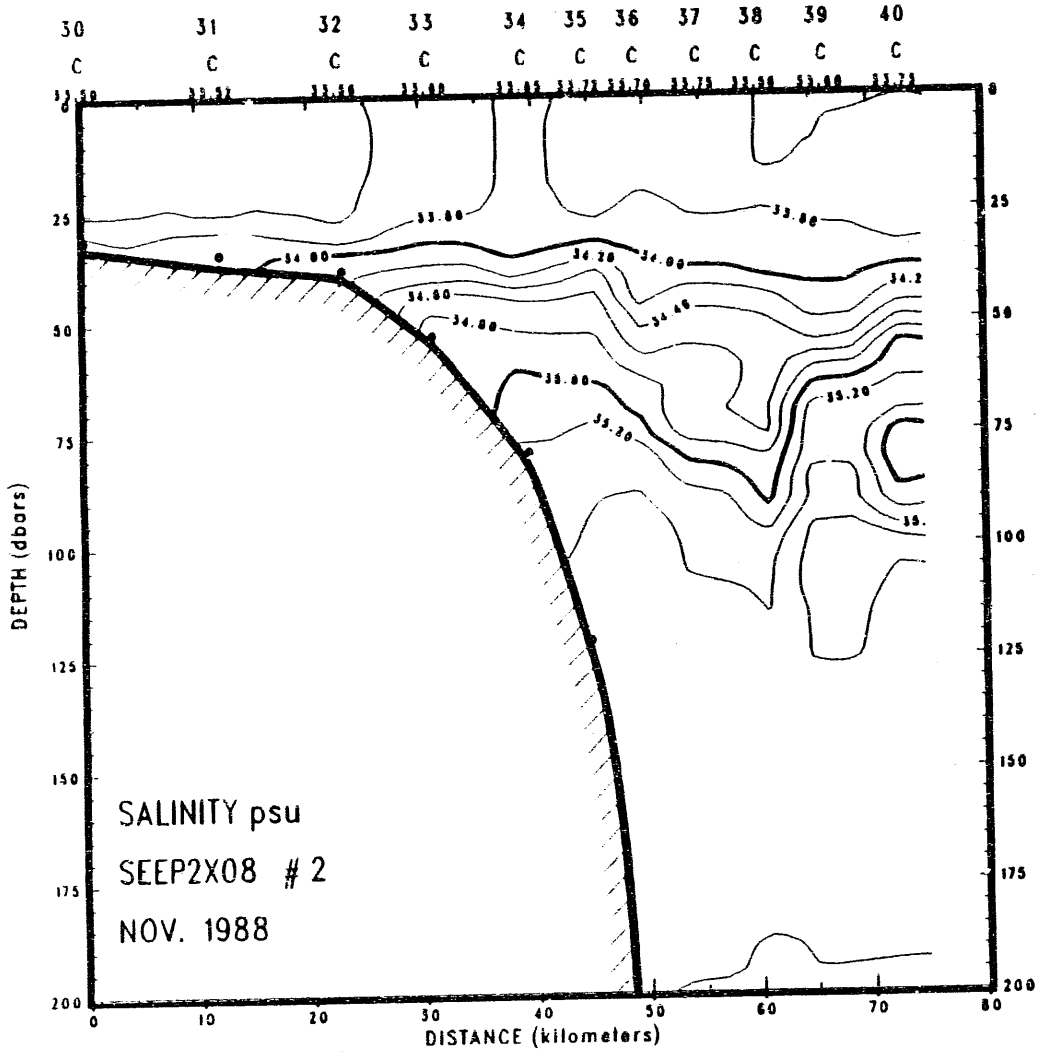
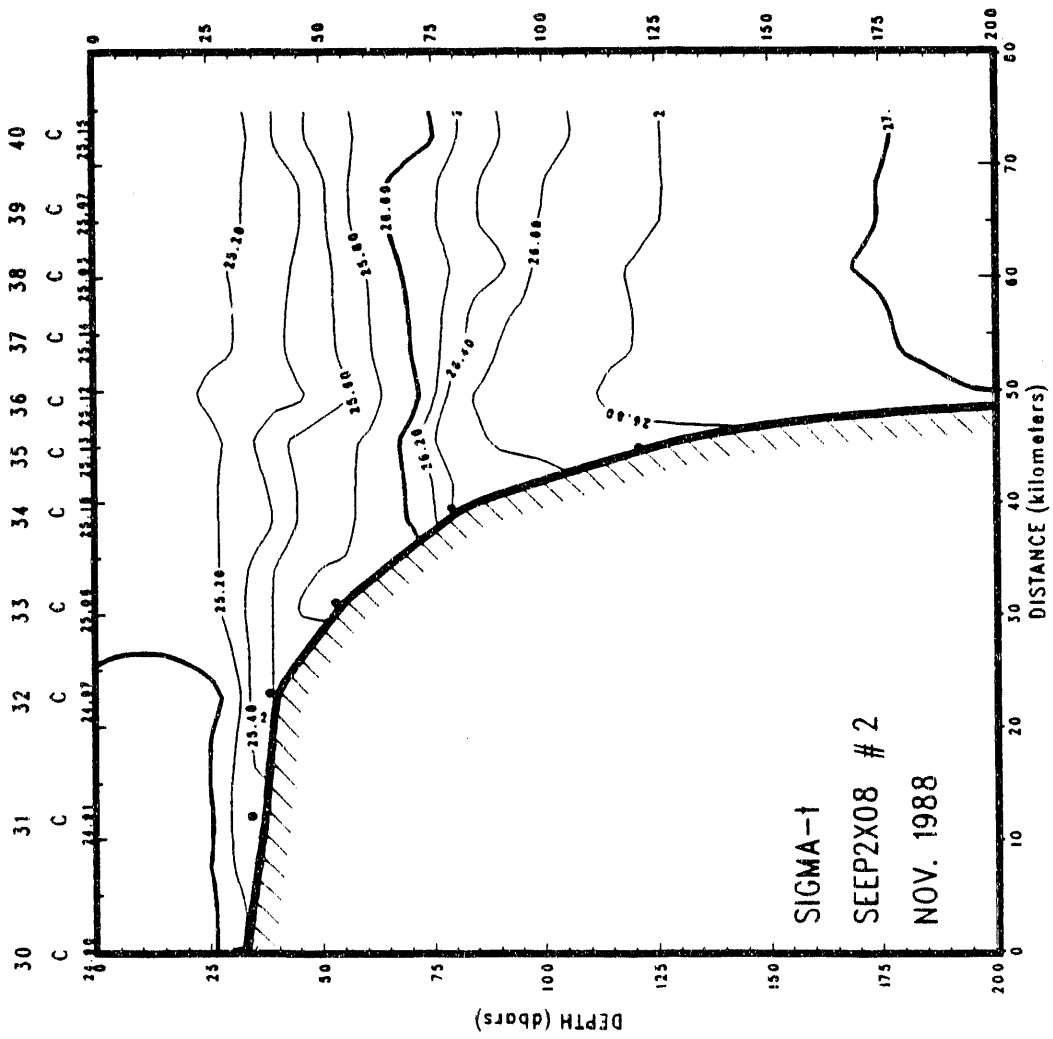
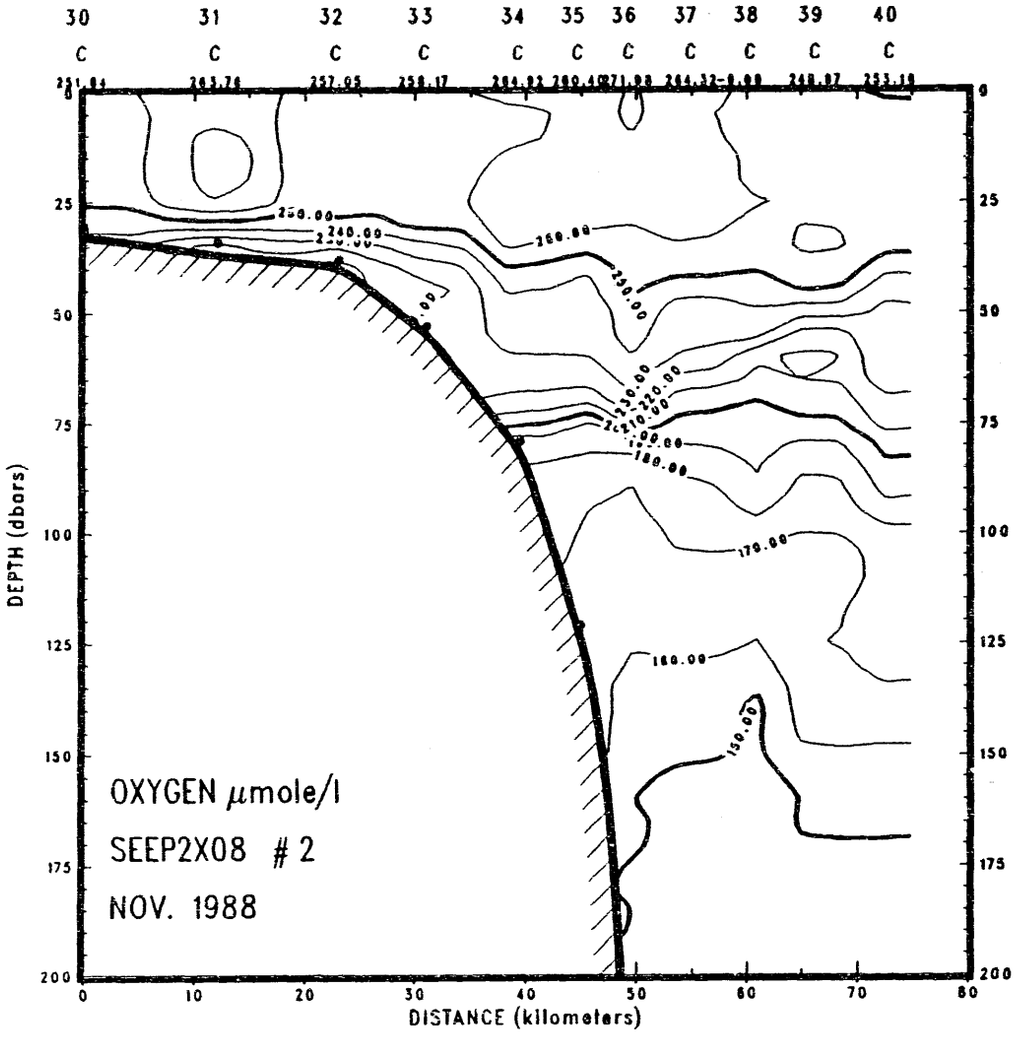


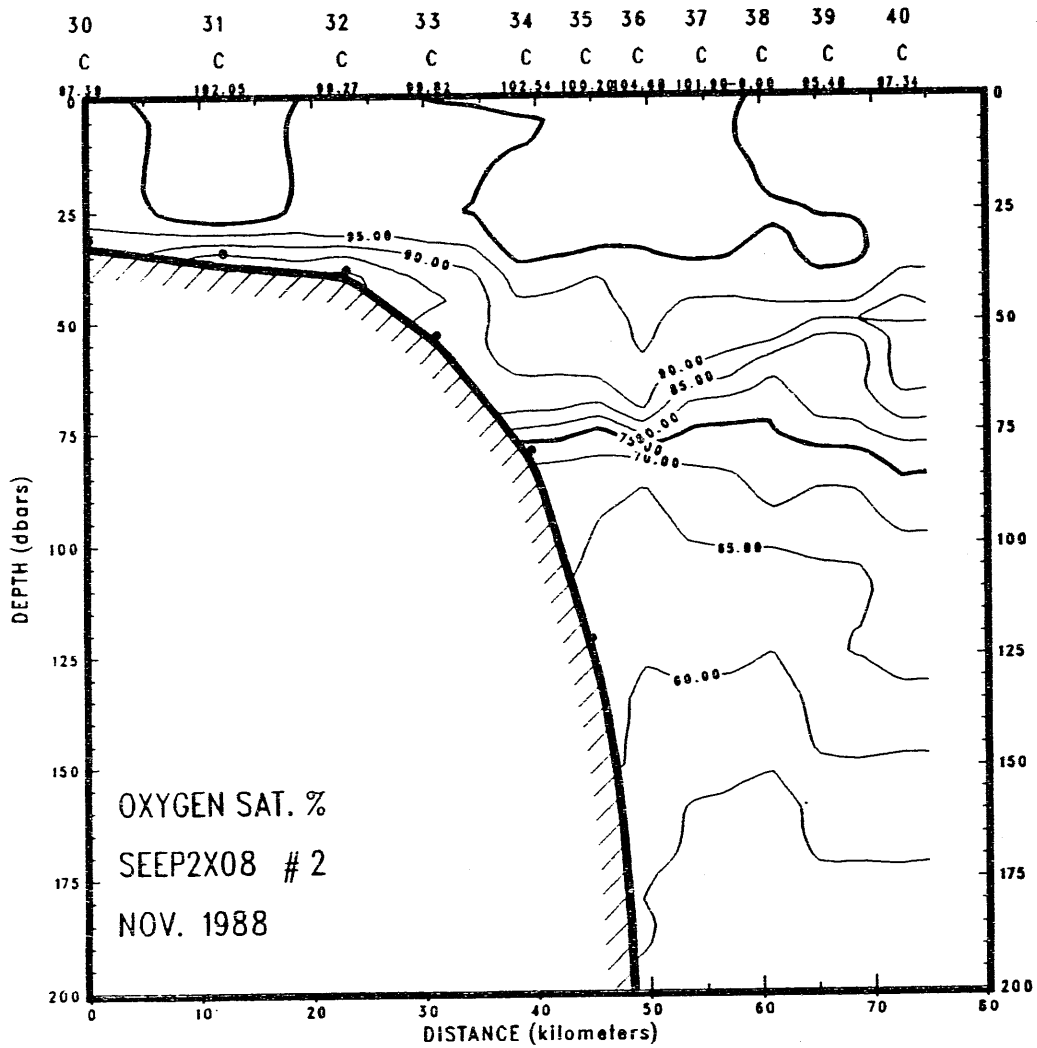
Figure 5. South line (Transect 2) map

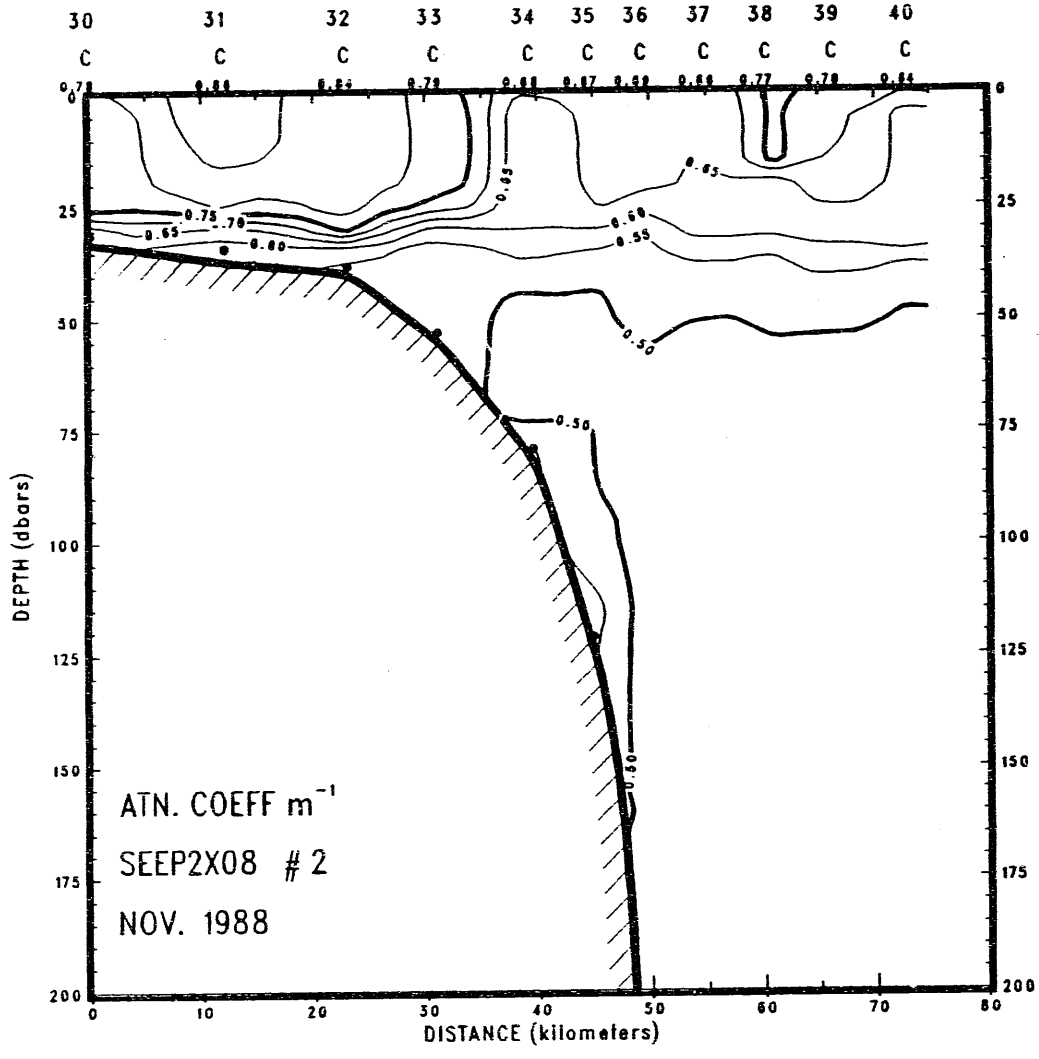

30 C
31 C
32 C
33 C
34 C
35 C
36 C
37 C
38 C
39 C
40 C
14.61
14.63
14.53
14.54
14.55
14.30
14.31
14.38
14.24
14.17
14.28
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
SEEP2X08 # 2
NOV. 1988
15.00
15.80
14.80
12.00

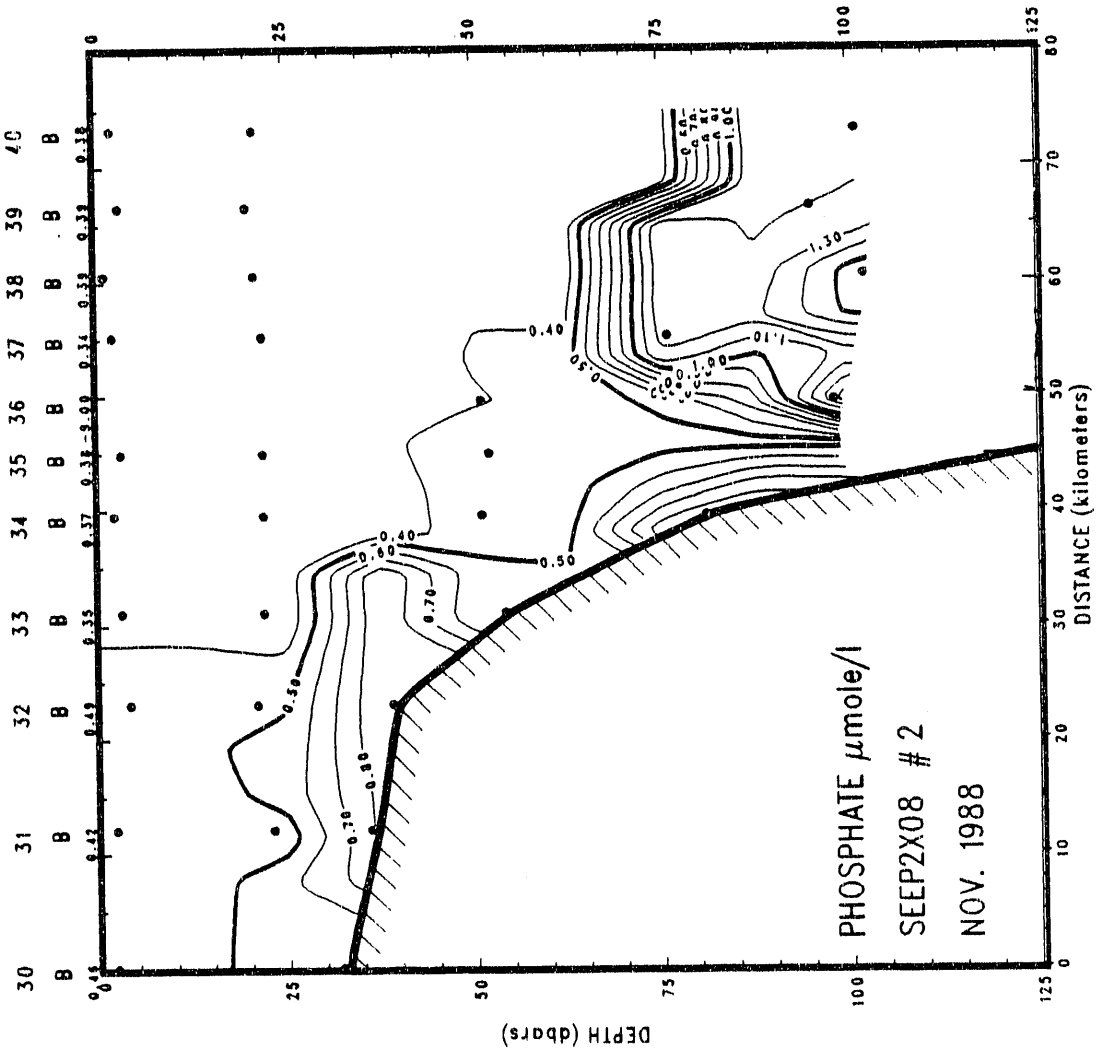

30 C
31 C
32 C
33 C
34 C
35 C
36 C
37 C
38 C
39 C
40 C
33.80
34.00
34.20
34.2
34.40
34.60
34.80
35.00
35.20
35.
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
DISTANCE (kilometers)
0
10
20
30
40
50
60
70
80
SALINITY psu
SEEP2X08 # 2
NOV. 1988

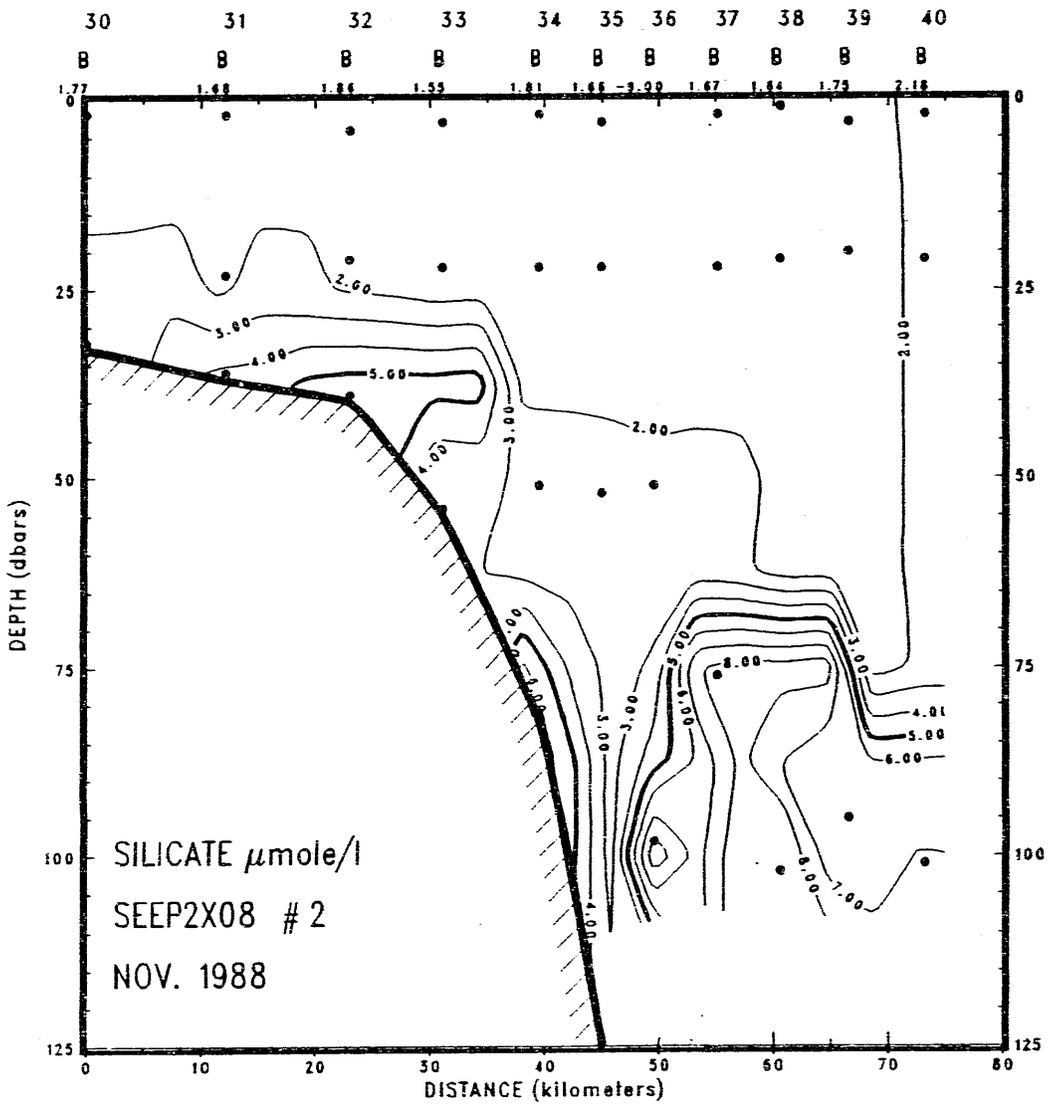

SIGMA-t
SEEP2X08 # 2
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

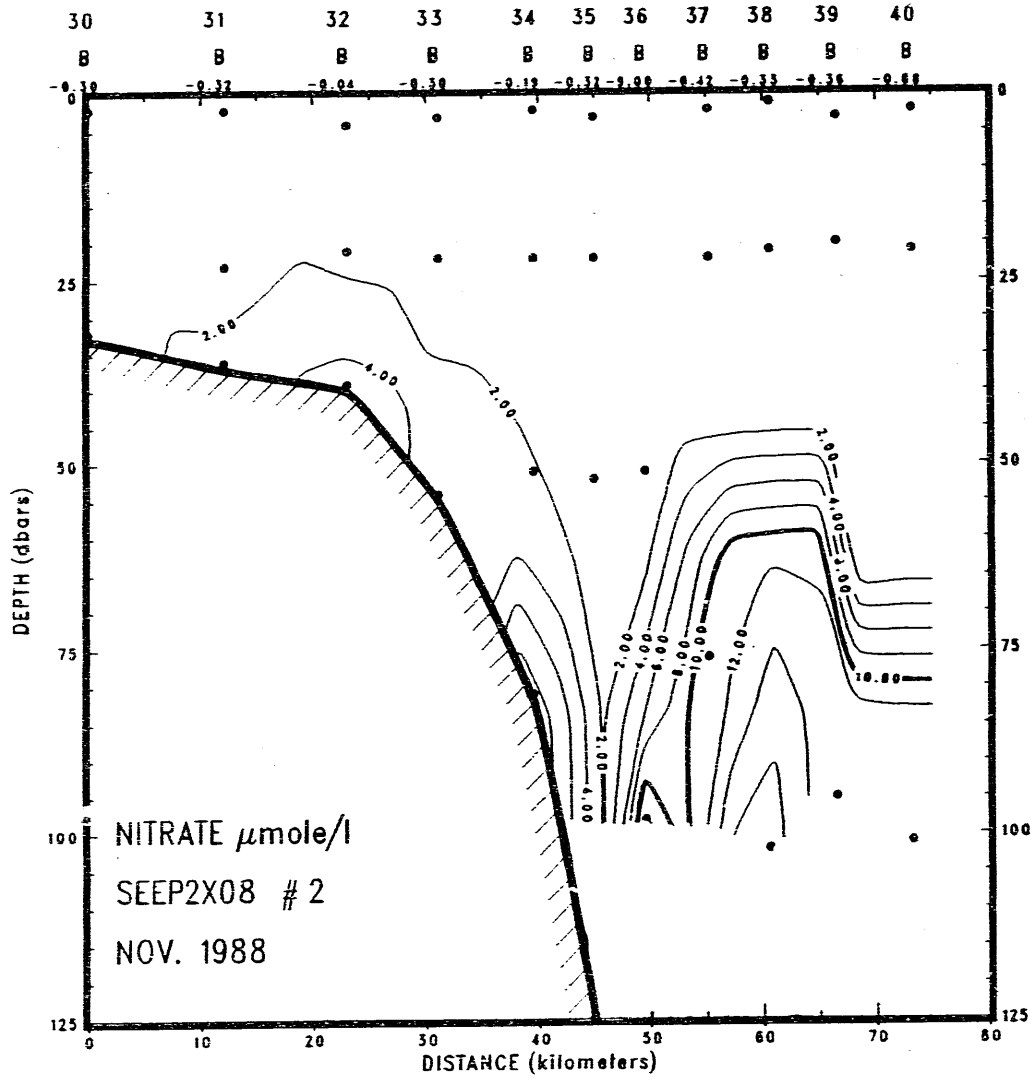

30 31 32 33 34 35 36 37 38 39 40
C C C C C C C C C C C
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN μmole/l
SEEP2X08 # 2
NOV. 1988

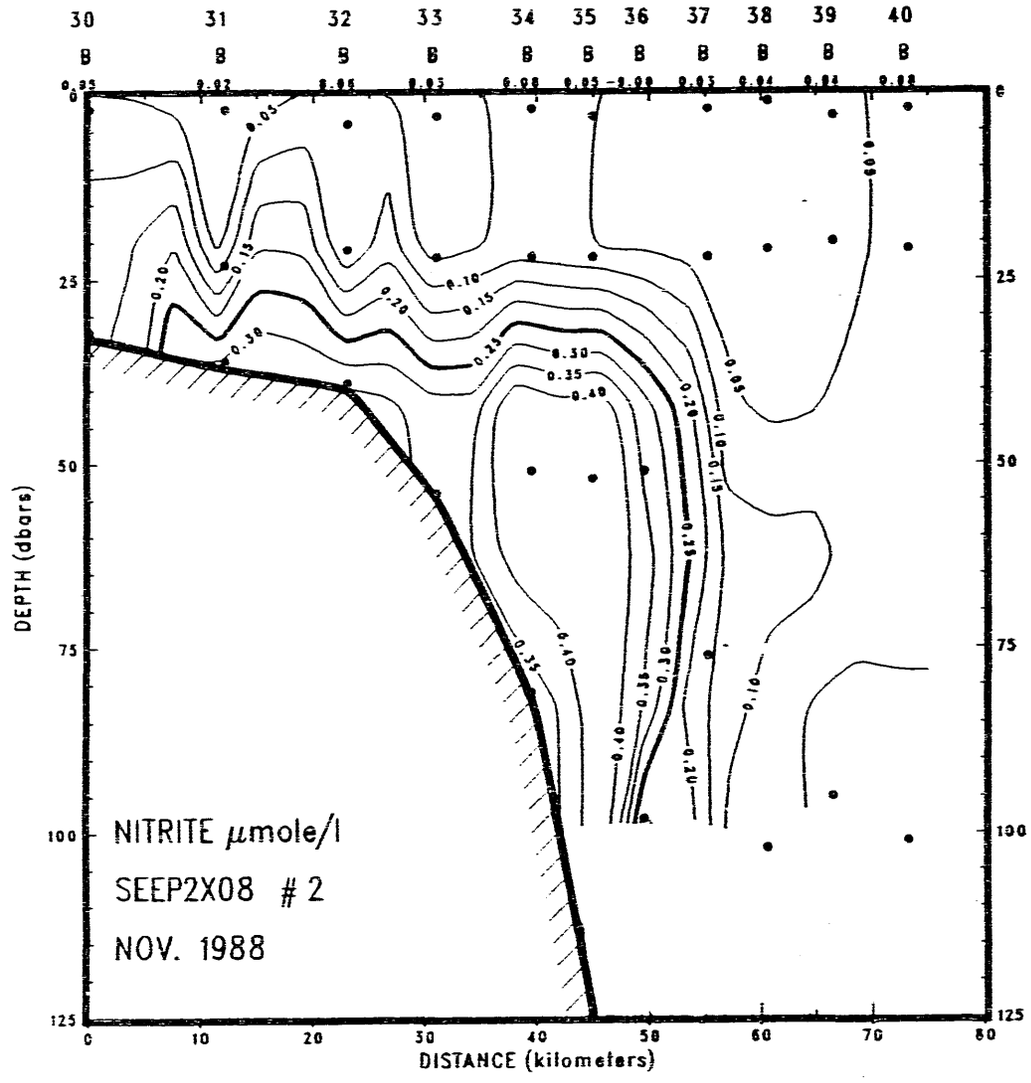

30 C
31 C
32 C
33 C
34 C
35 C
36 C
37 C
38 C
39 C
40 C
95.00
90.00
90.00
85.00
80.00
75.00
70.00
85.00
60.00
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN SAT. %
SEEP2X08 # 2
NOV. 1988

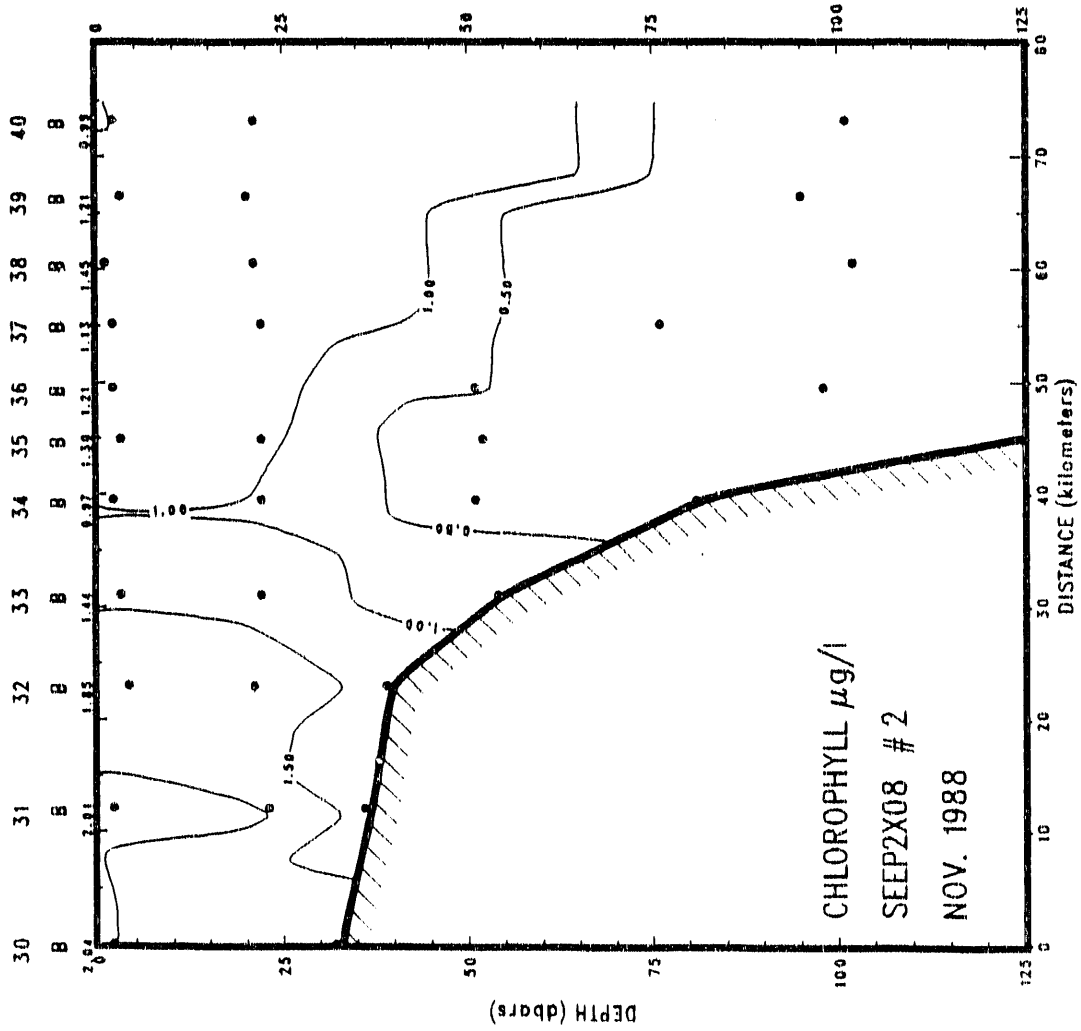

30 C
31 C
32 C
33 C
34 C
35 C
36 C
37 C
38 C
39 C
40 C
0.75
0.70
0.65
0.80
0.60
0.55
0.50
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
ATN. COEFF m⁻¹
SEEP2X08 # 2
NOV. 1988
0
10
20
30
40
50
60
70
80
DISTANCE (kilometers)

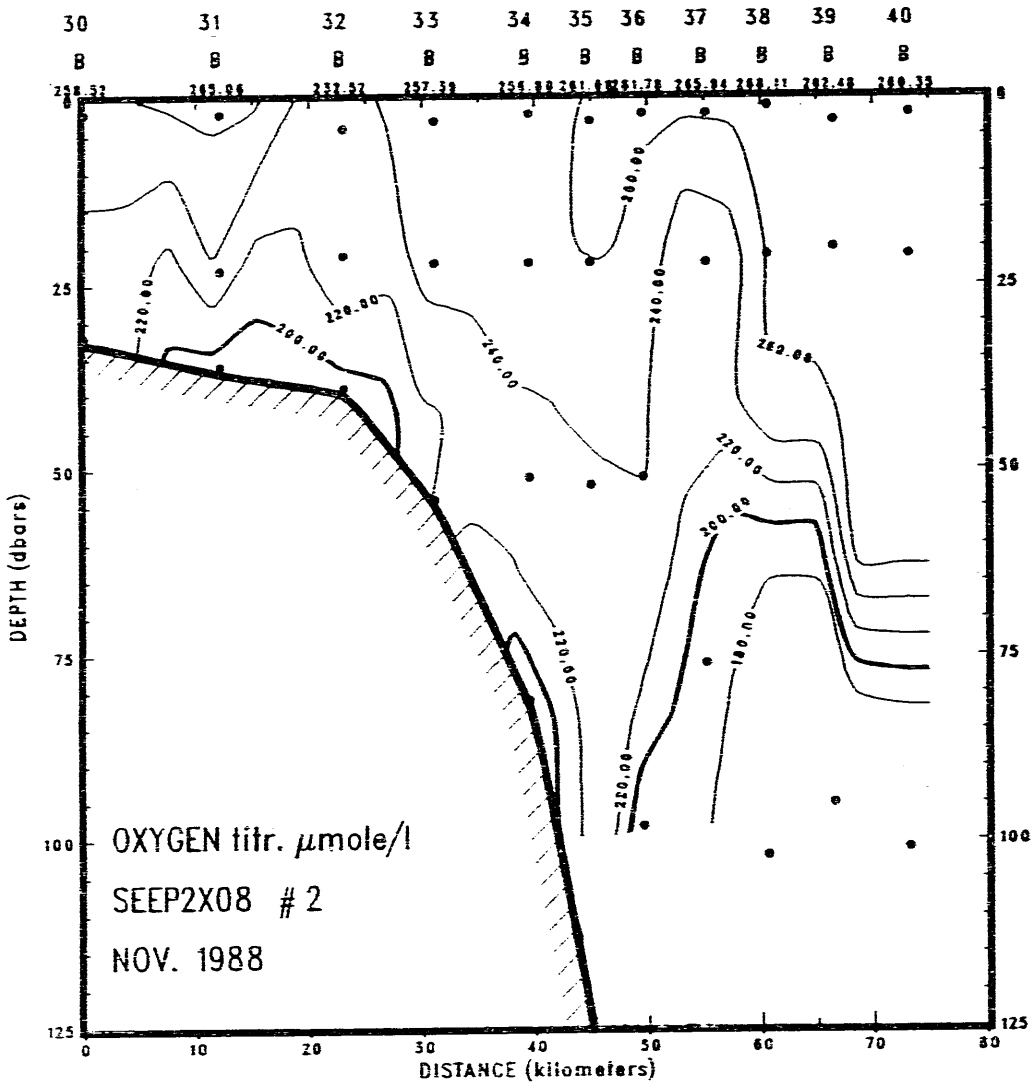

PHOSPHATE μmole/l
SEEP2X08 #2
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)


30 31 32 33 34 35 36 37 38 39 40
B B B B B B B B B B B
1.77 1.68 1.86 1.55 1.81 1.65 -9.00 1.67 1.84 1.75 2.18
0 25 50 75 100 125
2.00
5.00
4.00
5.00
3.00
2.00
4.00
3.00
5.00
3.00
4.00
8.00
3.00
4.01
5.00
6.00
6.00
7.00
4.00
SILICATE μmole/l
SEEP2X08 # 2
NOV. 1988
DEPTH (dbars)
0 10 20 30 40 50 60 70 80
DISTANCE (kilometers)


30 31 32 33 34 35 36 37 38 39 40
B B B B B B B B B B B
-0.32 -0.04 -0.39 -0.32 -0.08 -0.42 -0.33 -0.35 -0.68
2.00
4.00
2.00
2.00
4.00
6.00
8.00
10.00
12.00
10.00
NITRATE μmole/l
SEEP2X08 # 2
NOV. 1988
DEPTH (dbars)
0
25
50
75
100
125
DISTANCE (kilometers)
0 10 20 30 40 50 60 70 80


30 31 32 33 34 35 36 37 38 39 40
B B B B B B B B B B B
DEPTH (dbars)
0 25 50 75 100 125
0 10 20 30 40 50 60 70 80
DISTANCE (kilometers)
NITRITE μmole/l
SEEP2X08 # 2
NOV. 1988


CHLOROPHYLL μg/l
SEEP2X08 #2
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)
1.00
1.50
0.50


30
31
32
33
34
35
36
37
38
39
40
B
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN titr. μmole/l
SEEP2X08 # 2
NOV. 1988

SEEP2-08 Transect 3

North Line

CONTOURED CROSS-SECTIONS

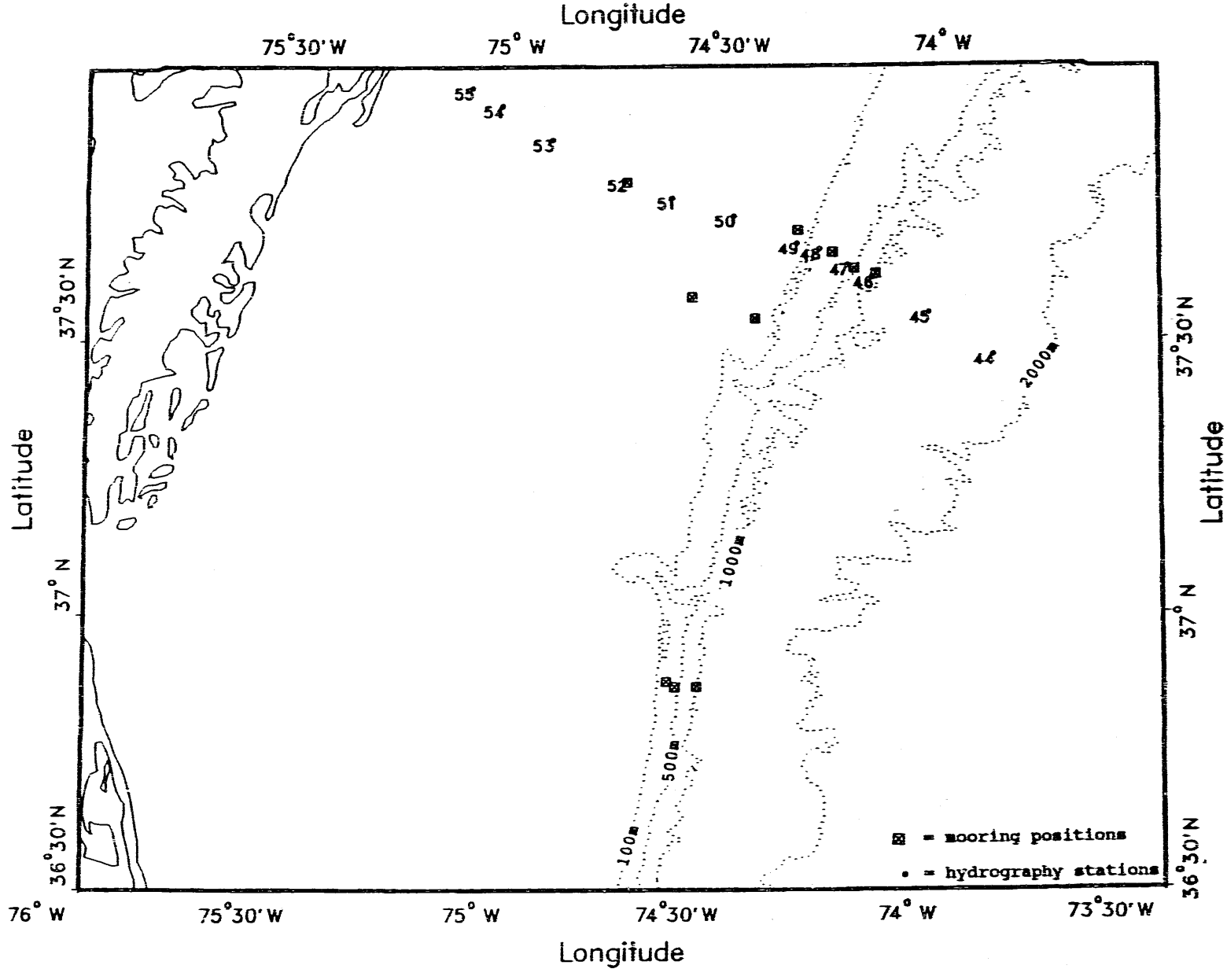
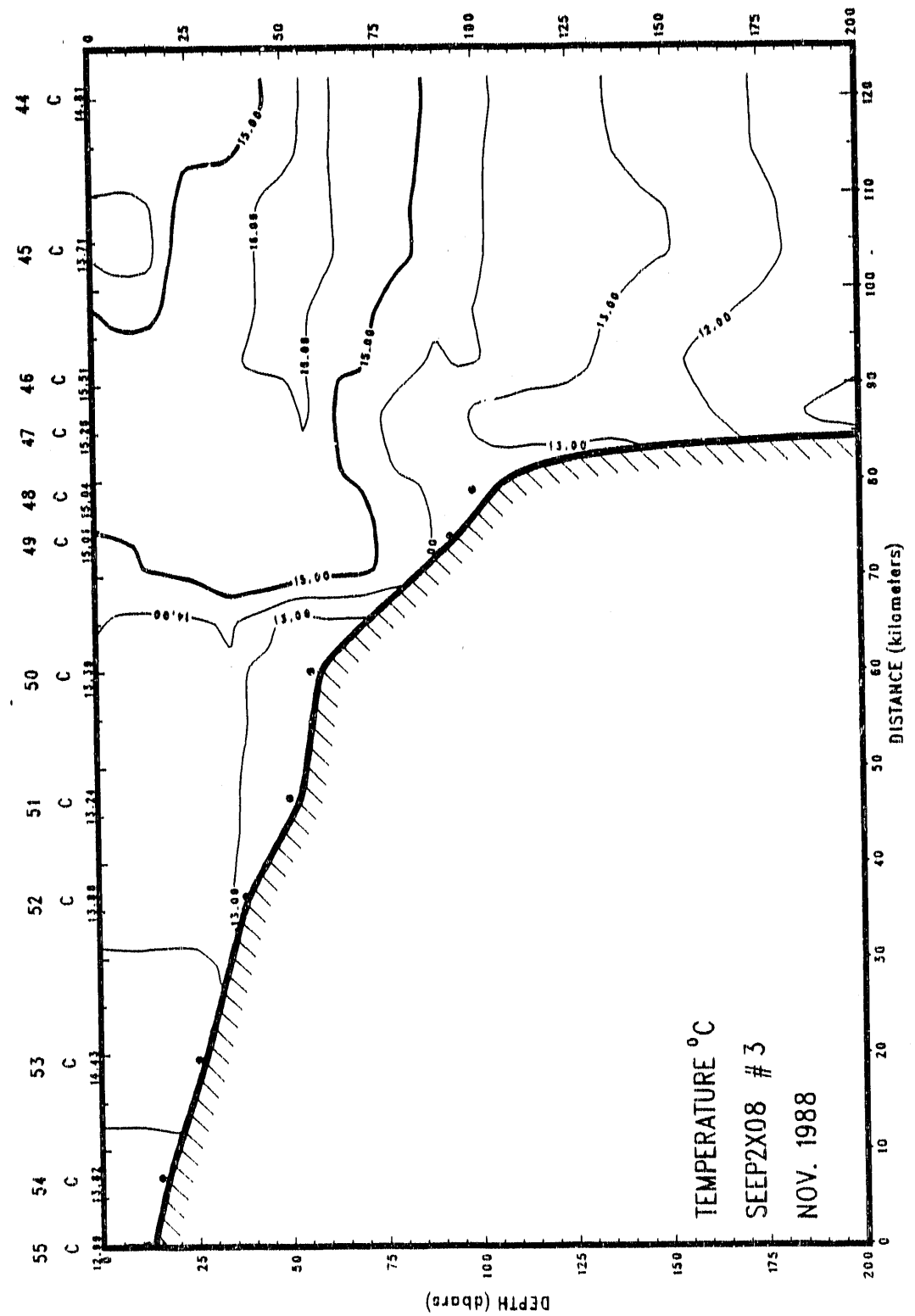
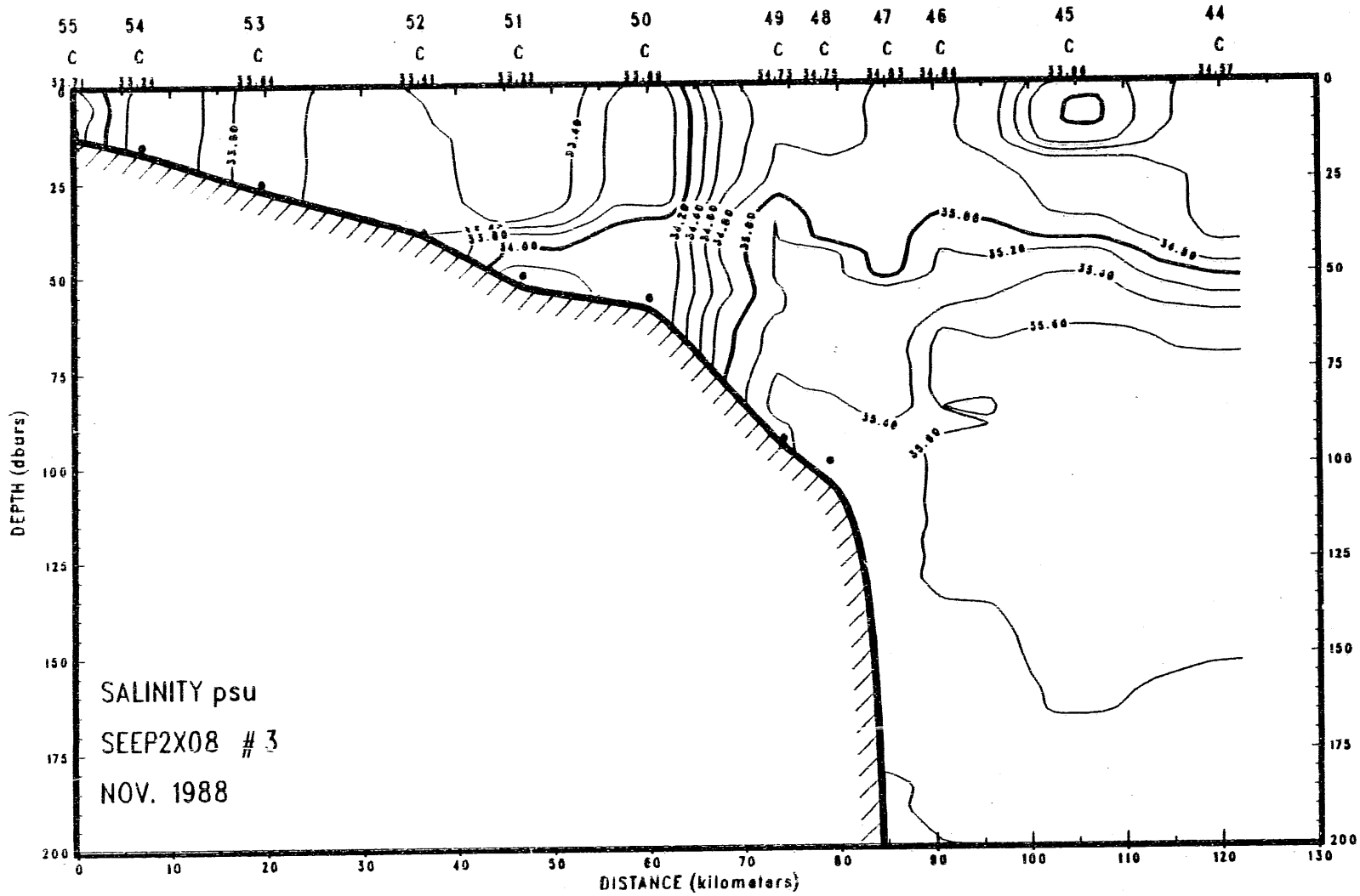
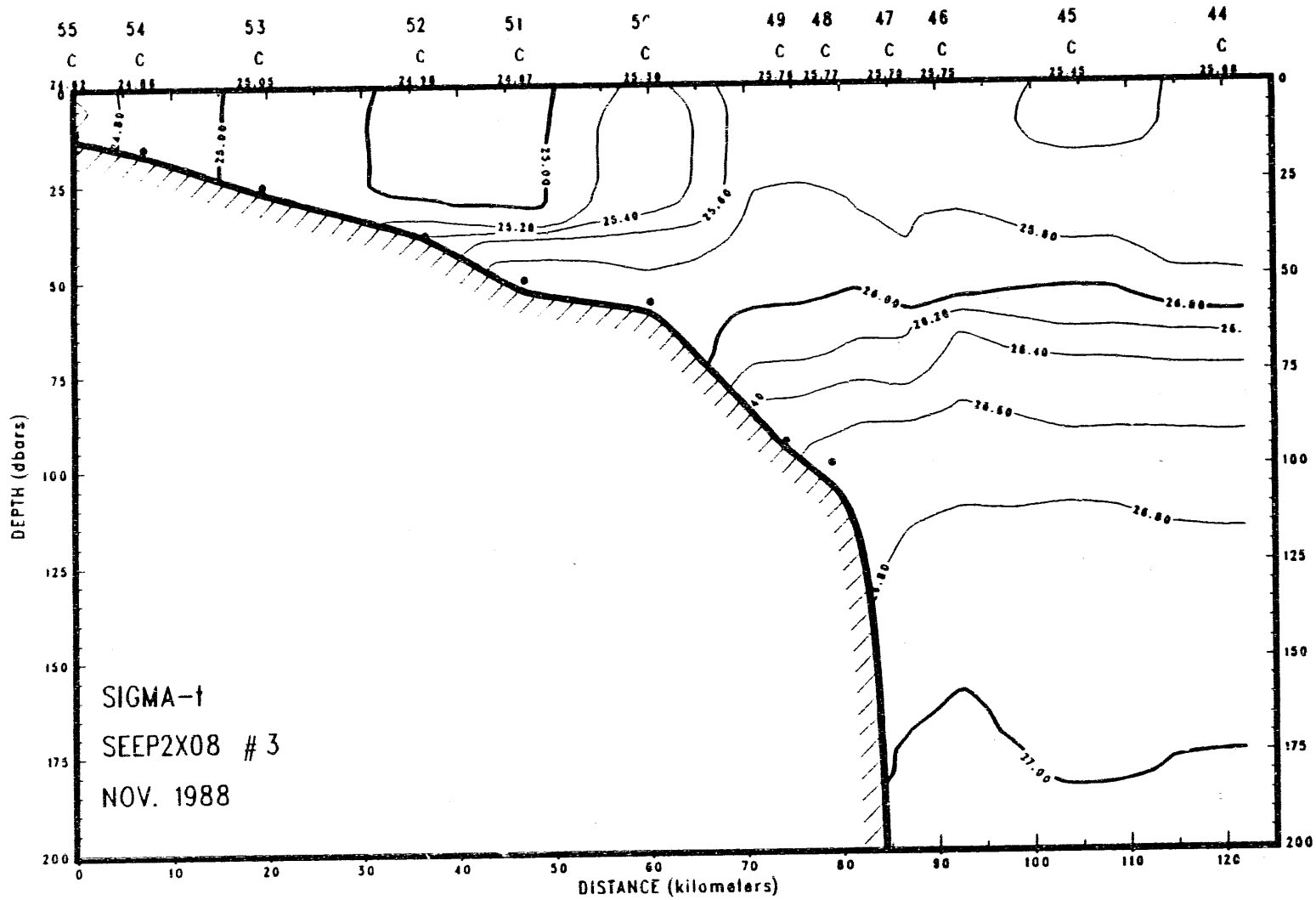
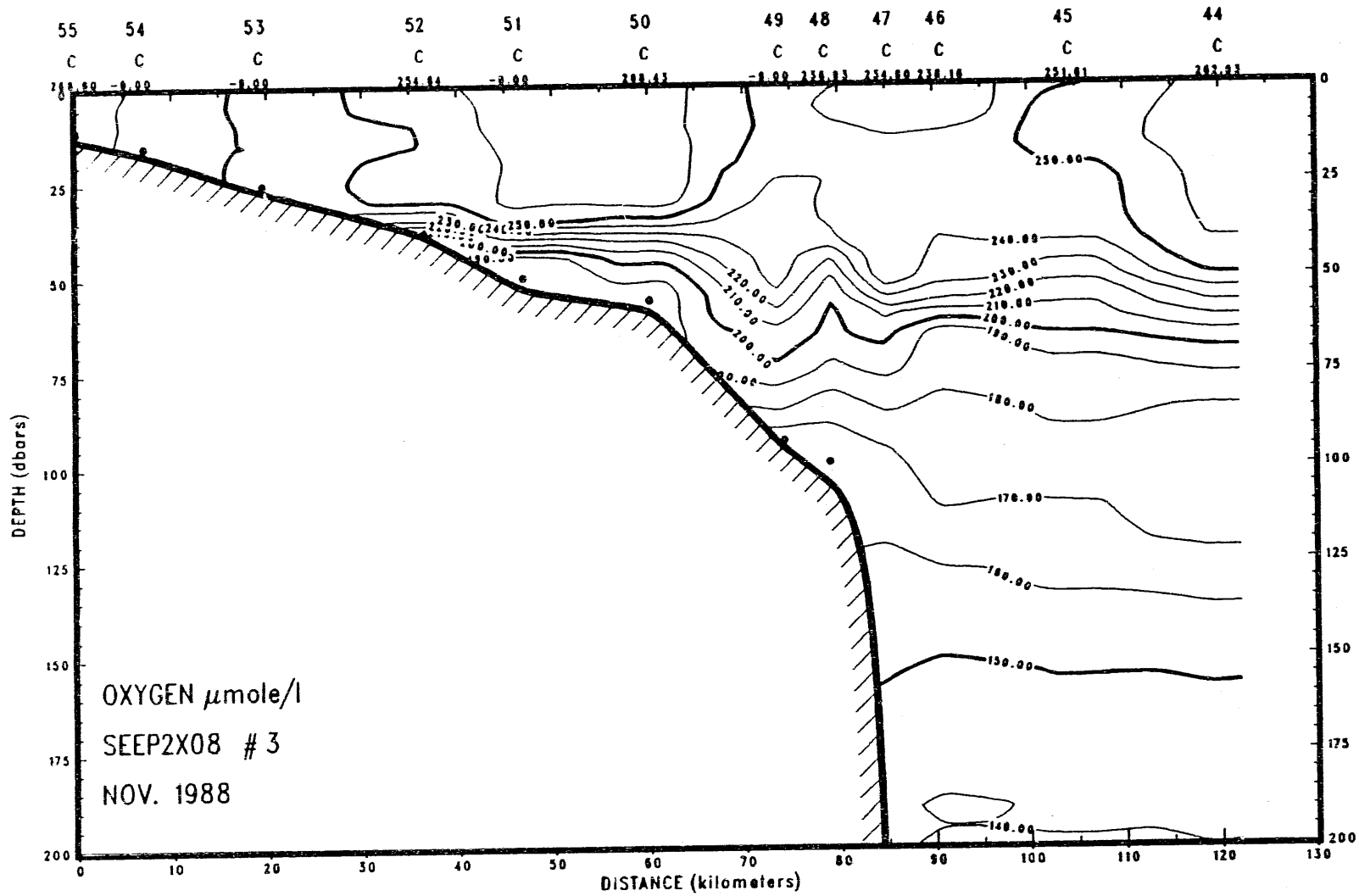


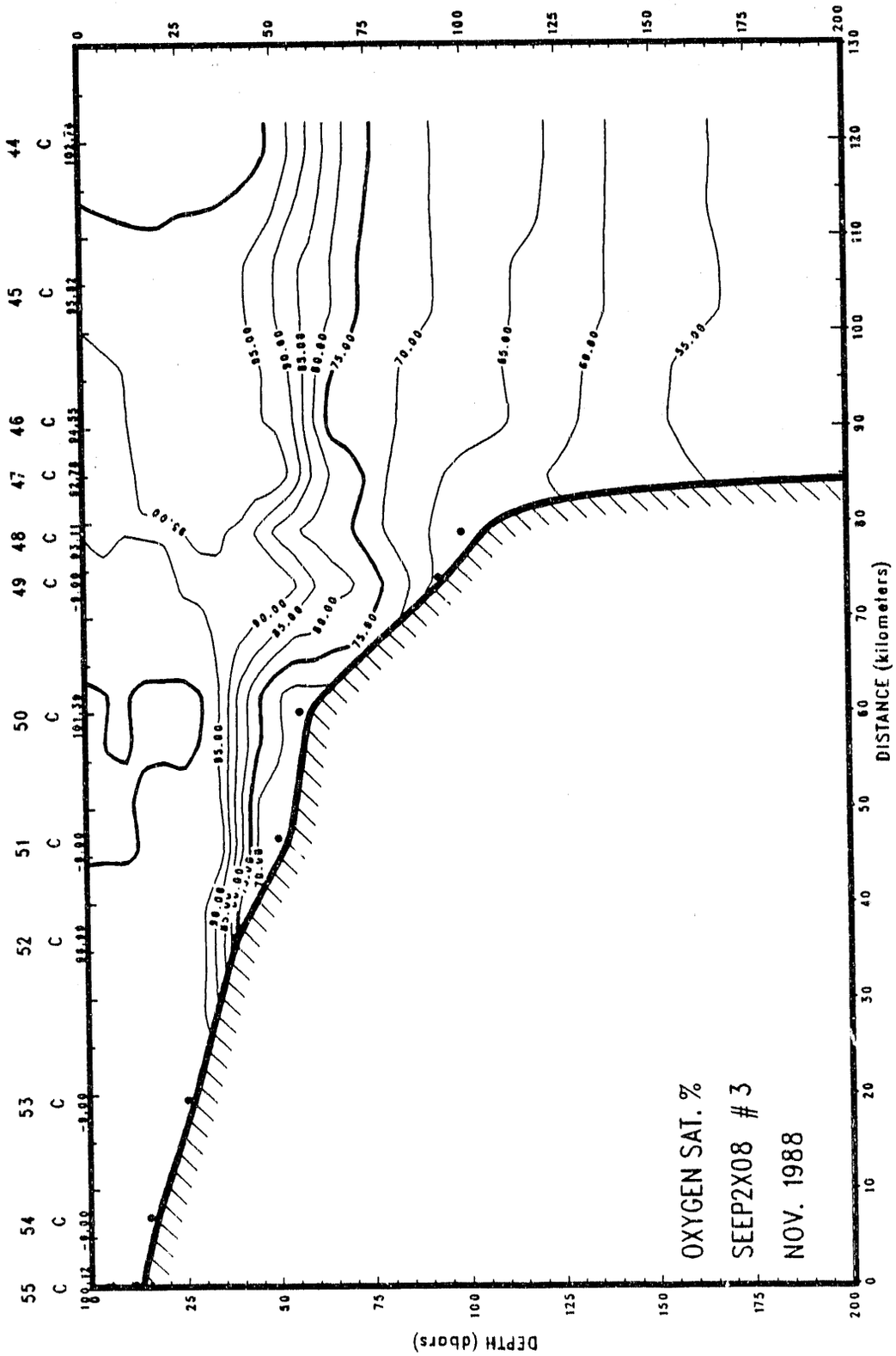
Figure 6. North line (Transect 3) map

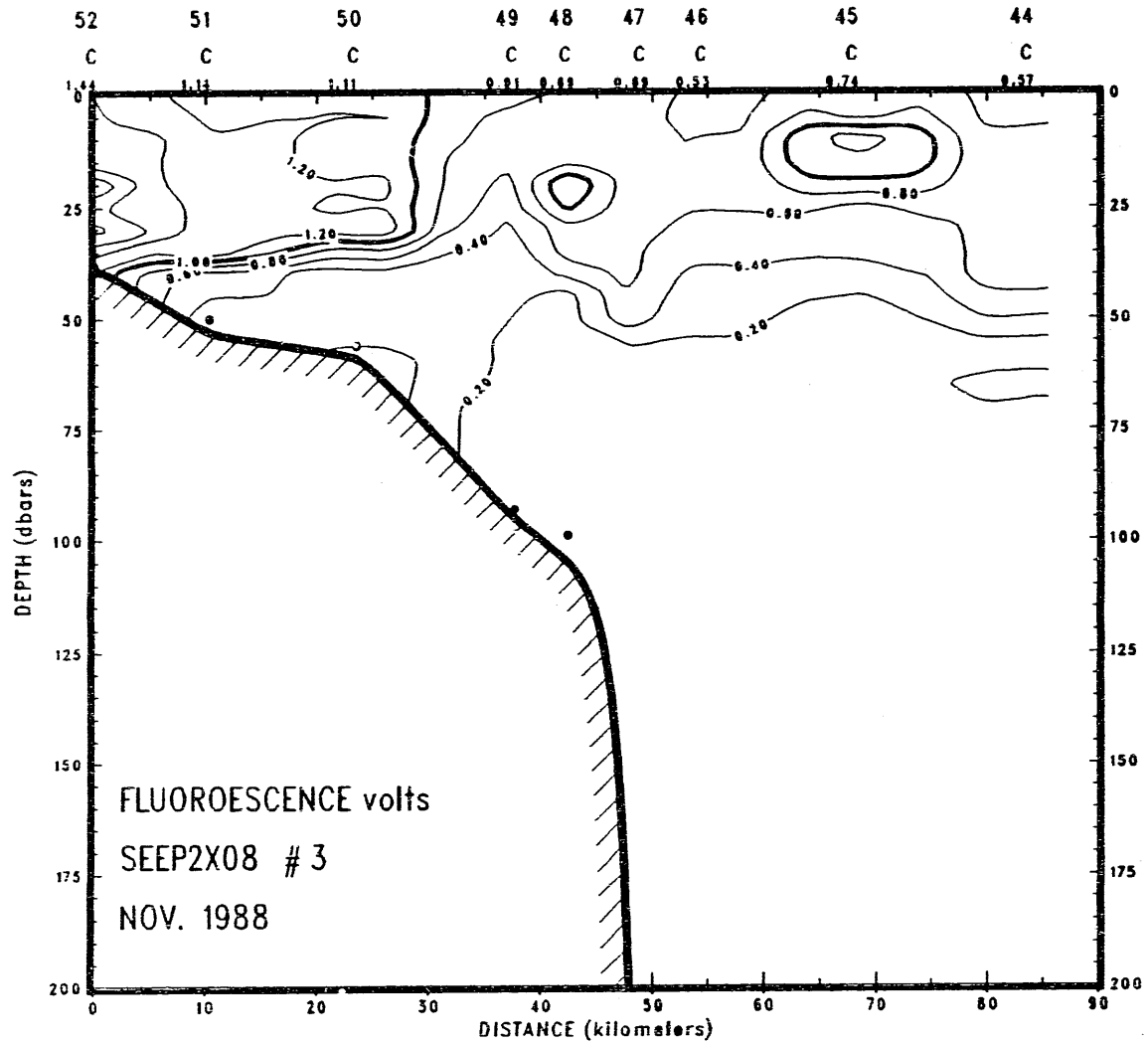

TEMPERATURE °C
SEEP2X08 #3
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

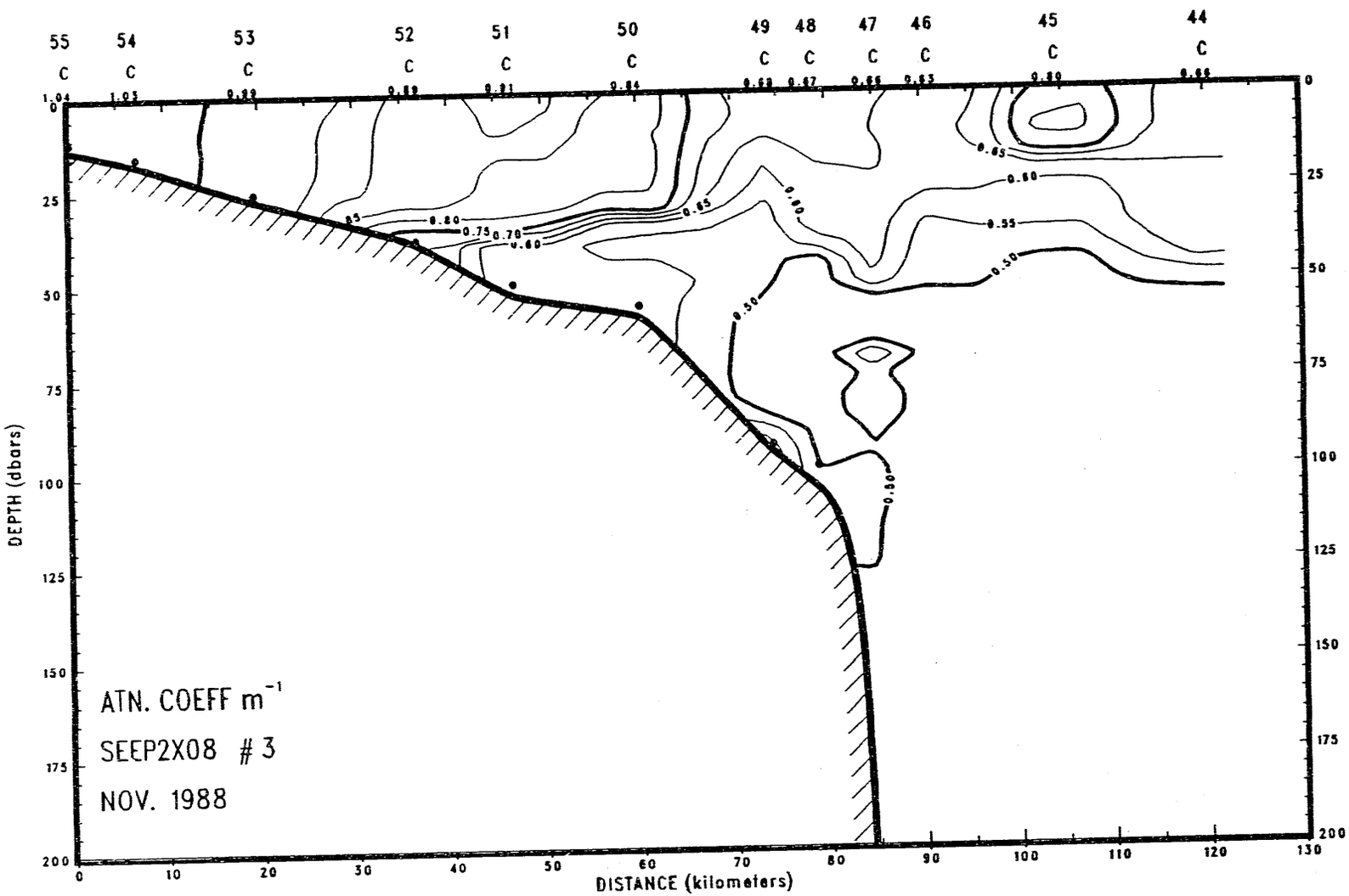

55 54 53 52 51 50 49 48 47 46 45 44
C C C C C C C C C C C C
DEPTH (dbars)
DISTANCE (kilometers)
SALINITY psu
SEEP2X08 # 3
NOV. 1988

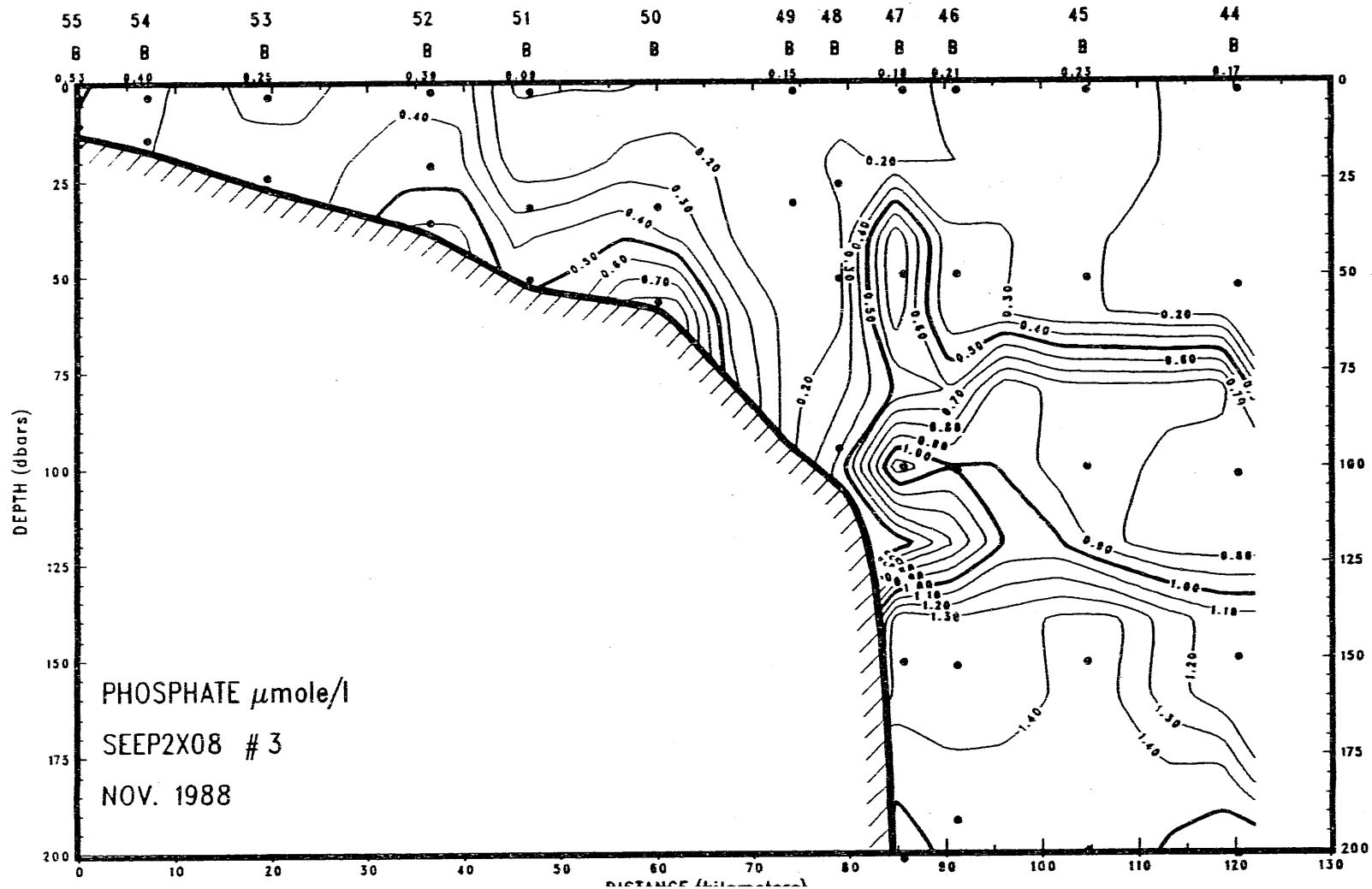

55 C
54 C
53 C
52 C
51 C
49 C
48 C
47 C
46 C
45 C
44 C
24.80
25.00
25.20
25.40
25.60
25.80
26.00
26.20
26.40
26.60
26.80
27.00
SIGMA-t
SEEP2X08 # 3
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0
25
50
75
100
125
150
175
200
10
20
30
40
50
60
70
80
90
100
110
120

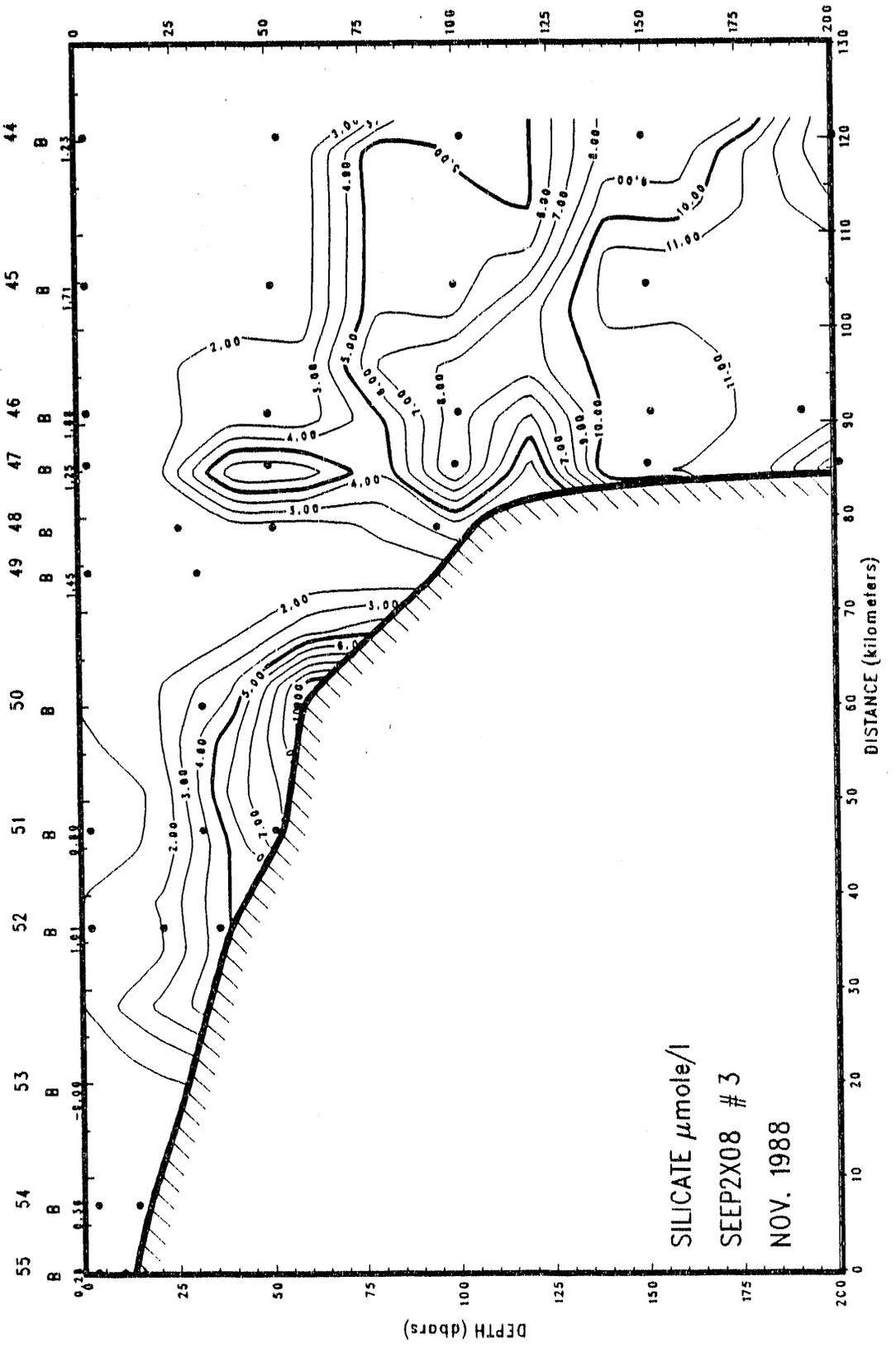

55 54 53 52 51 50 49 48 47 46 45 44
C C C C C C C C C C C C
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN μmole/l
SEEP2X08 # 3
NOV. 1988

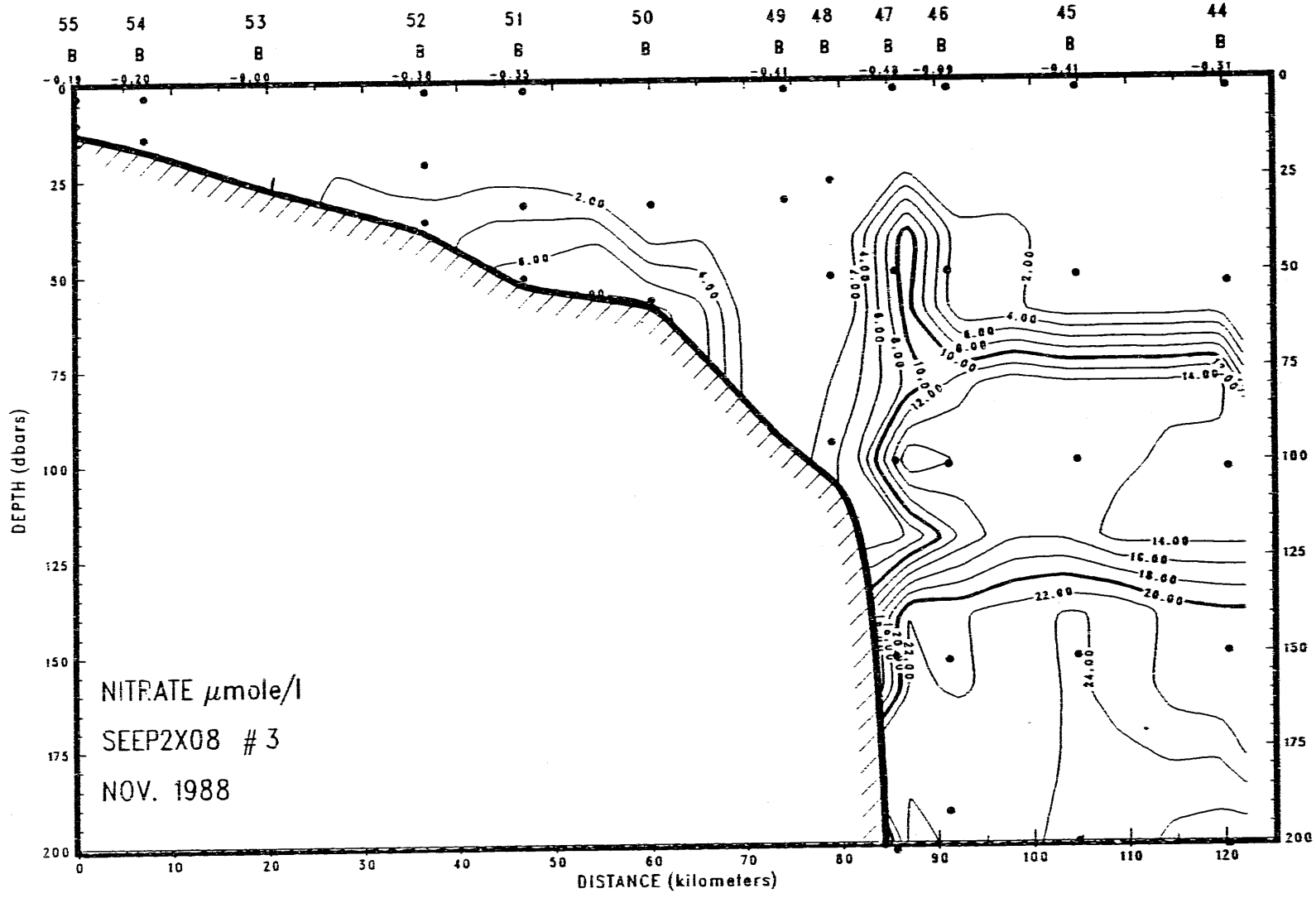

OXYGEN SAT. %
SEEP2X08 #3
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

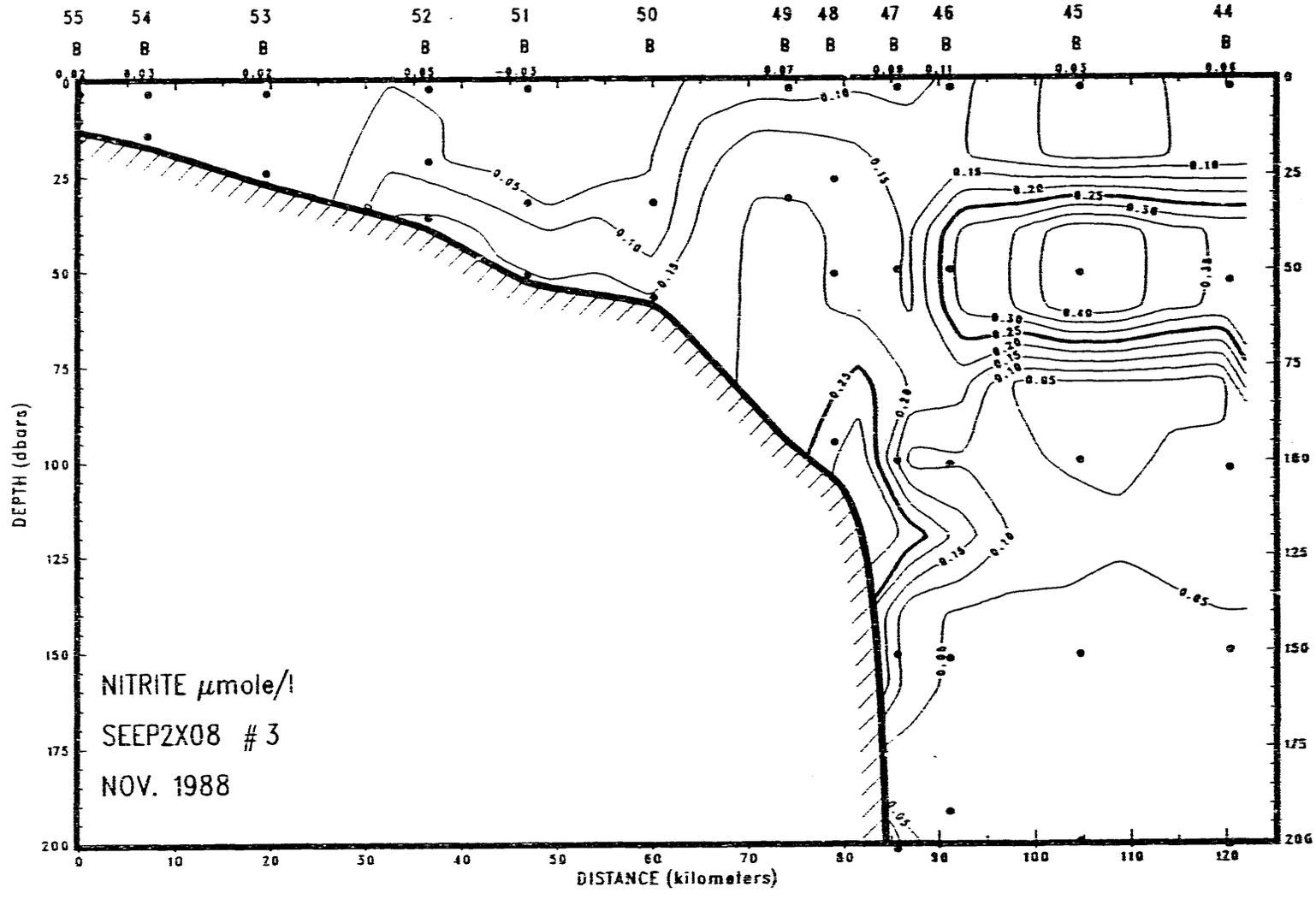

52 C
51 C
50 C
49 C
48 C
47 C
46 C
45 C
44 C
1.20
1.20
1.00
0.80
0.40
0.80
0.80
0.40
0.20
0.20
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
FLUOROESCENCE volts
SEEP2X08 # 3
NOV. 1988
0
10
20
30
40
50
60
70
80
90
DISTANCE (kilometers)

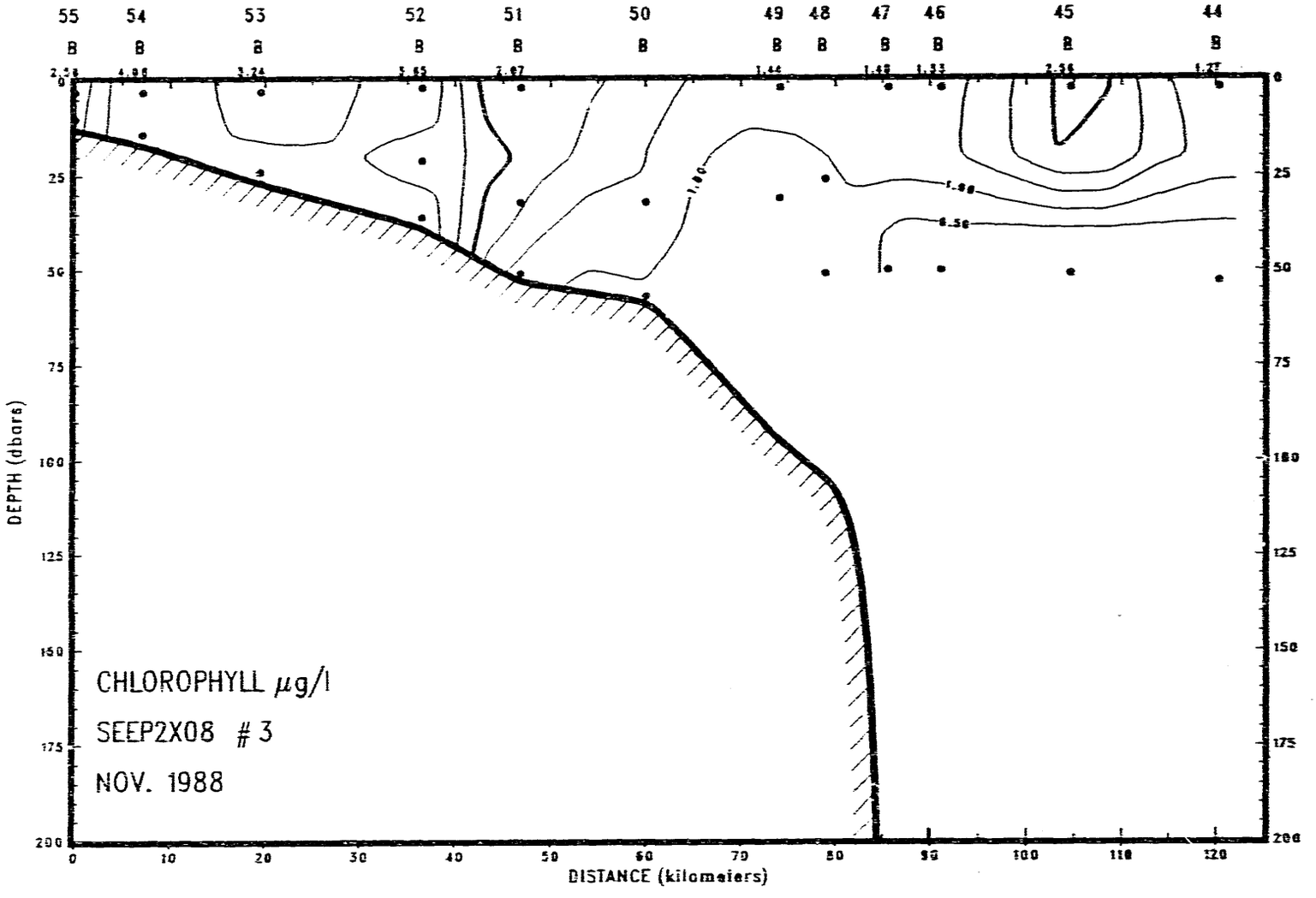

55 C
54 C
53 C
52 C
51 C
50 C
49 C
48 C
47 C
46 C
45 C
44 C
DEPTH (dbars)
DISTANCE (kilometers)
ATN. COEFF m^{-1}
SEEP2X08 # 3
NOV. 1988

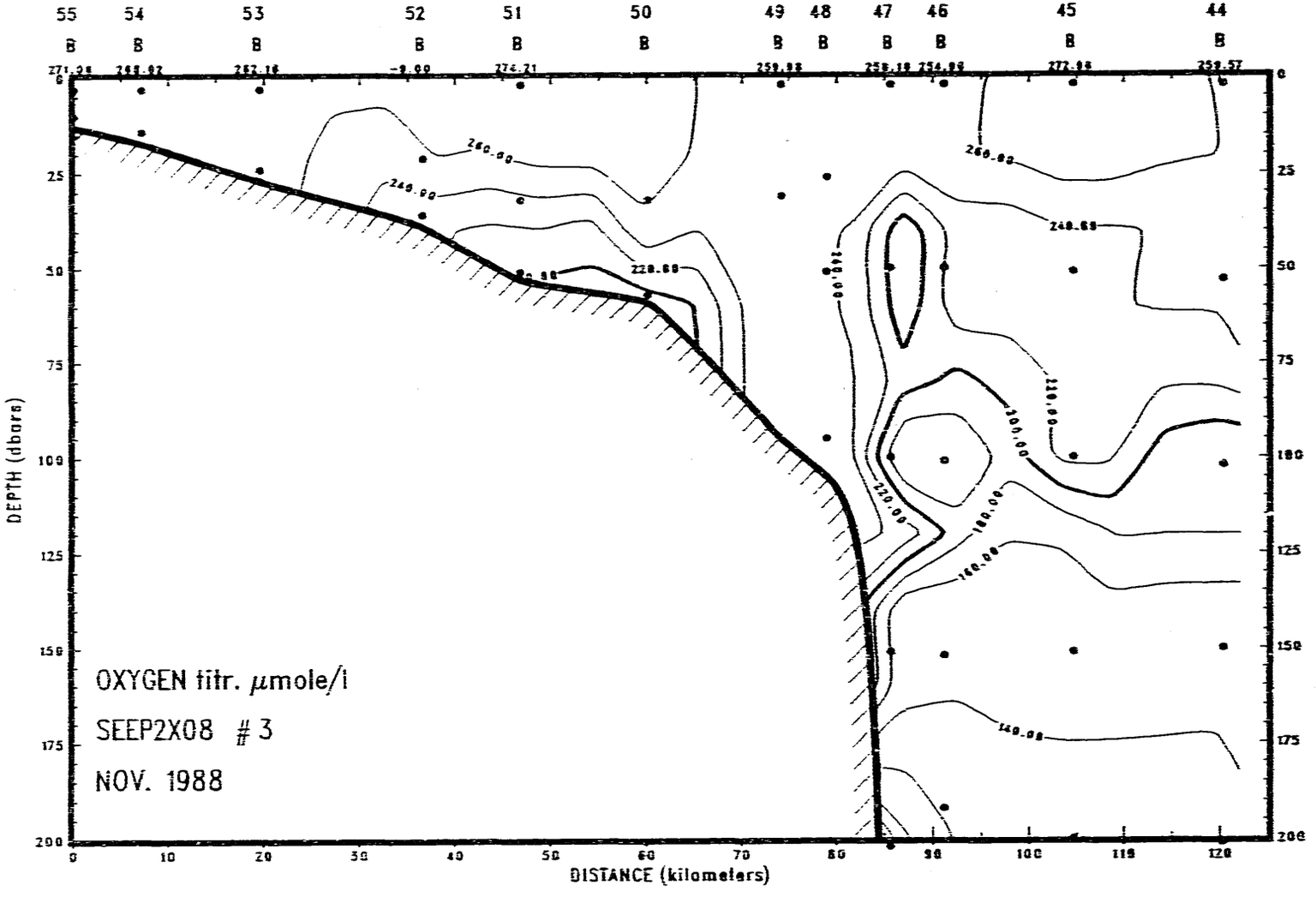

55 54 53 52 51 50 49 48 47 46 45 44
B B B B B B B B B B B B
DEPTH (dbars)
PHOSPHATE μmole/l
SEEP2X08 # 3
NOV. 1988


SILICATE μmole/l
SEEP2X08 #3
NOV. 1988
DISTANCE (kilometers)
DEPTH (dbars)


55 54 53 52 51 50 49 48 47 46 45 44
B B B B B B B B B B B B
DEPTH (dbars)
DISTANCE (kilometers)
NITRATE μmole/l
SEEP2X08 # 3
NOV. 1988


55 54 53 52 51 50 49 48 47 46 45 44
B B B B B B B B B B B B
DEPTH (dbars)
DISTANCE (kilometers)
NITRITE μmole/l
SEEP2X08 # 3
NOV. 1988


55 54 53 52 51 50 49 48 47 46 45 44
B B B B B B B B B B B B
2.56 4.96 3.24 5.65 2.97 1.44 1.48 1.33 2.56 1.27
0 25 50 75 100 125 150 175 200
1.00
5.00
6.50
DEPTH (dbars)
CHLOROPHYLL µg/l
SEEP2X08 # 3
NOV. 1988
0 10 20 30 40 50 60 70 80 90 100 110 120
DISTANCE (kilometers)


55 54 53 52 51 50 49 48 47 46 45 44
B B B B B B B B B B B B
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN titr. μmole/l
SEEP2X08 # 3
NOV. 1988

SEEP2-08 Transect 4
Washington Canyon
CONTOURED CROSS-SECTIONS

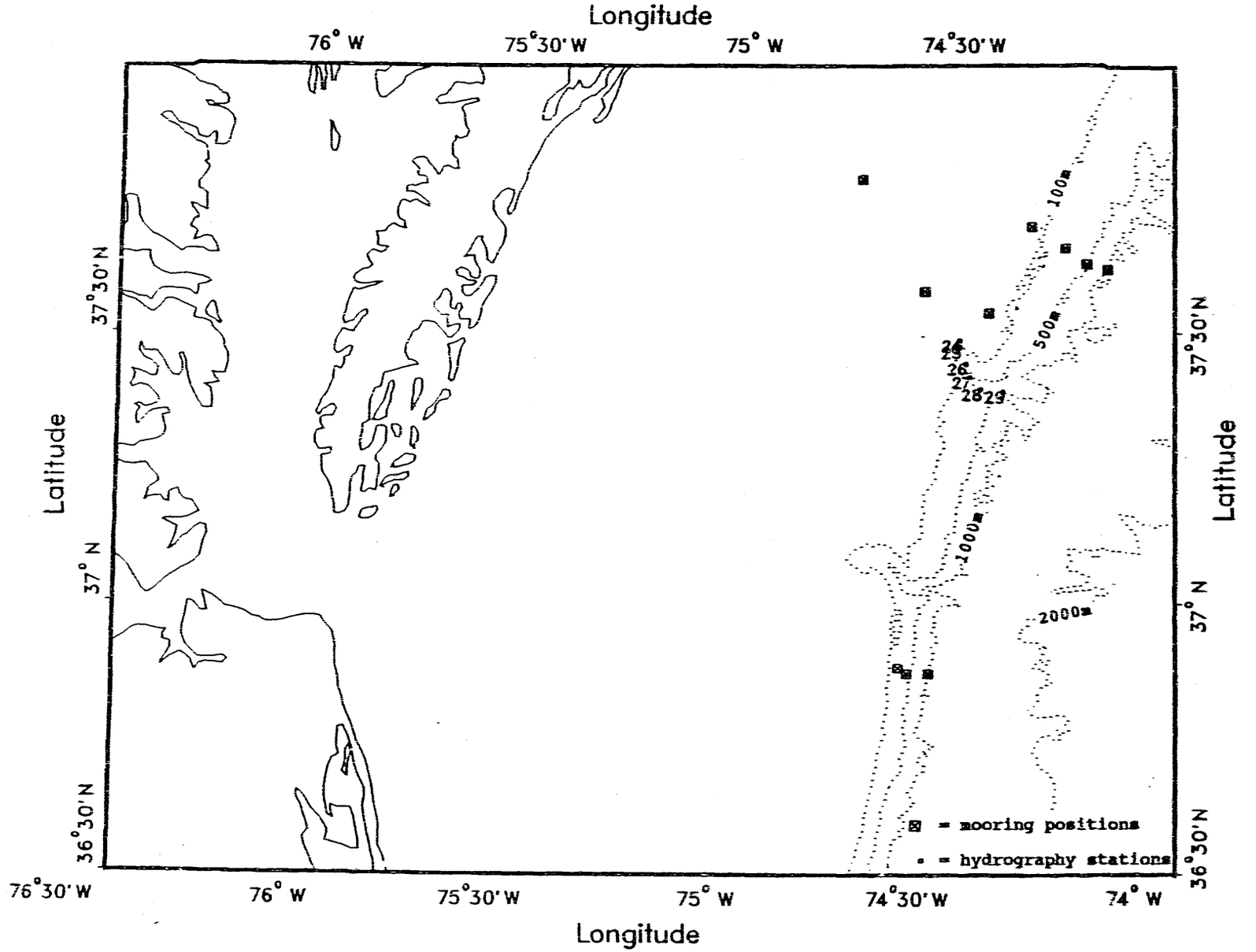
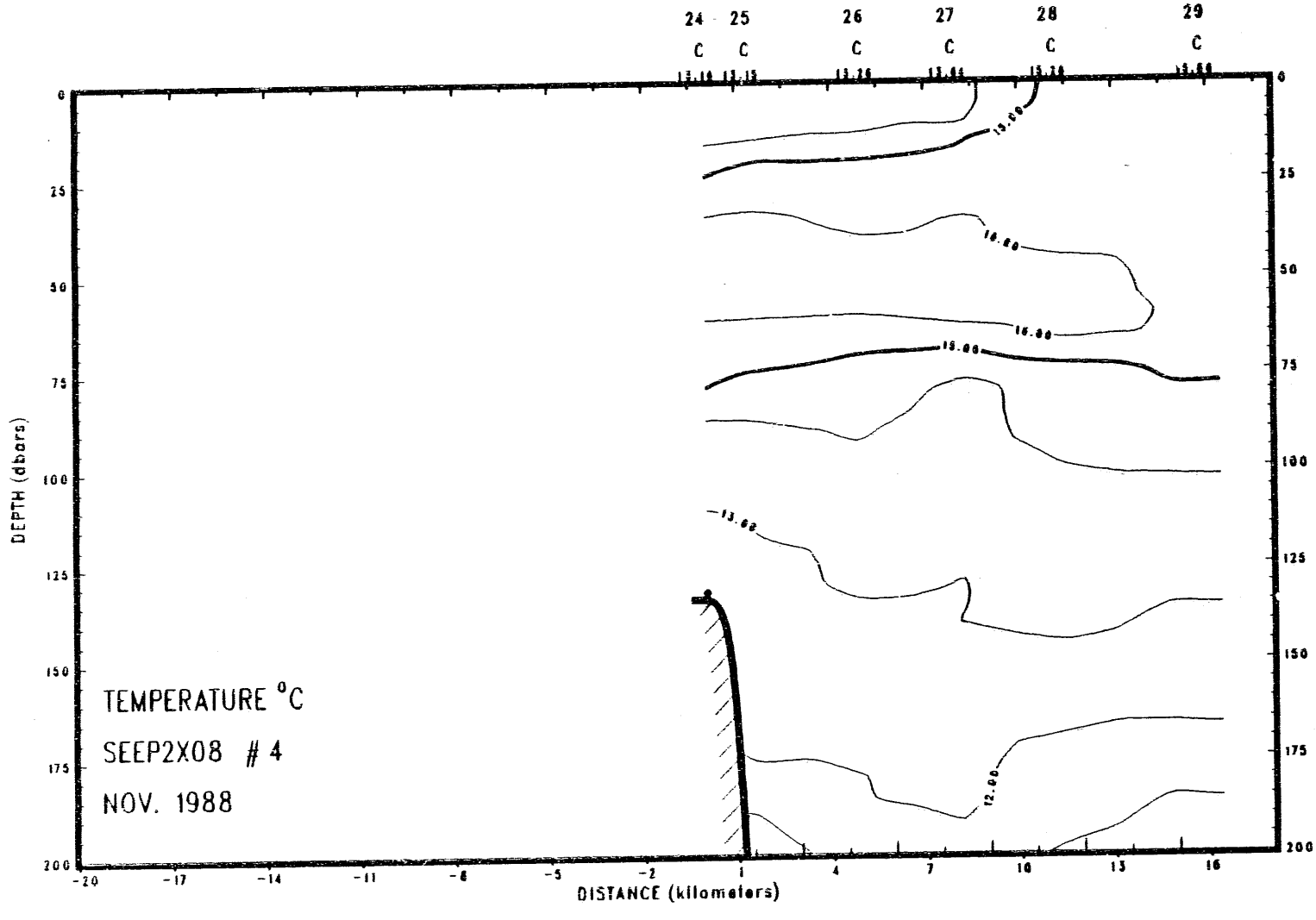
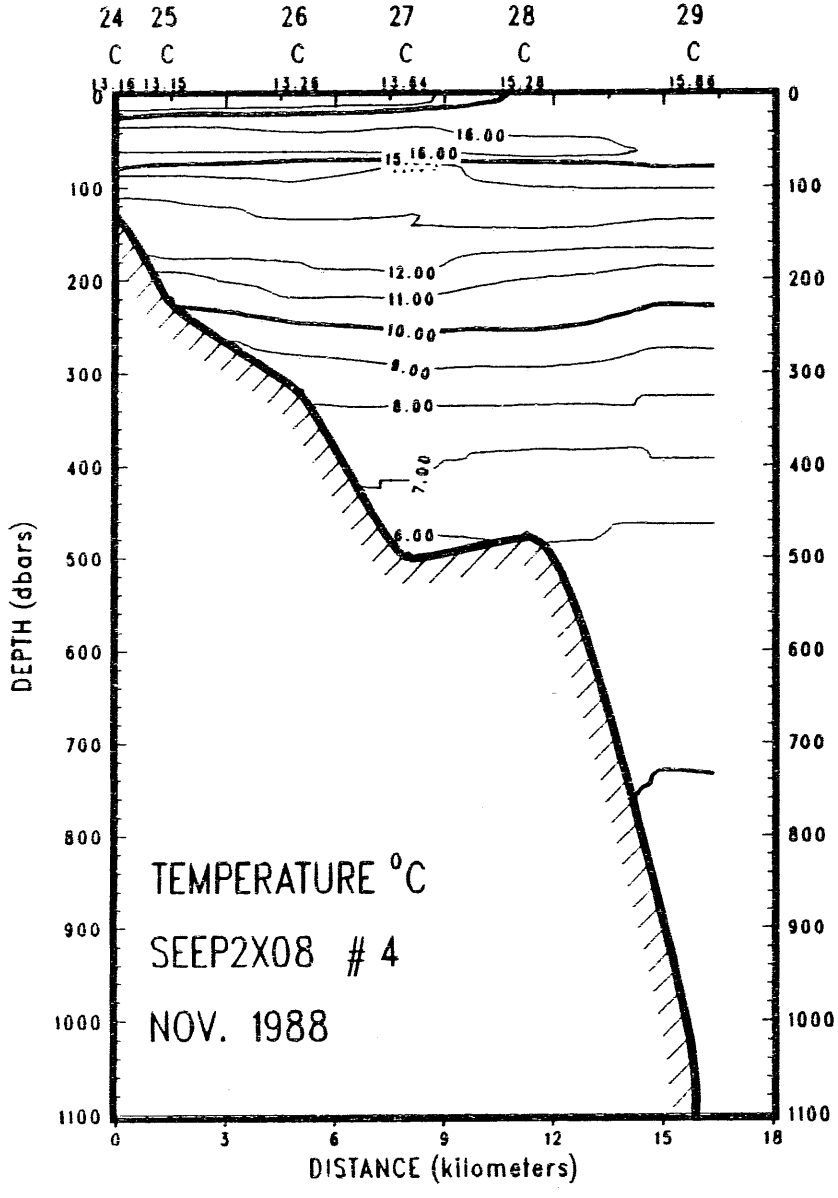
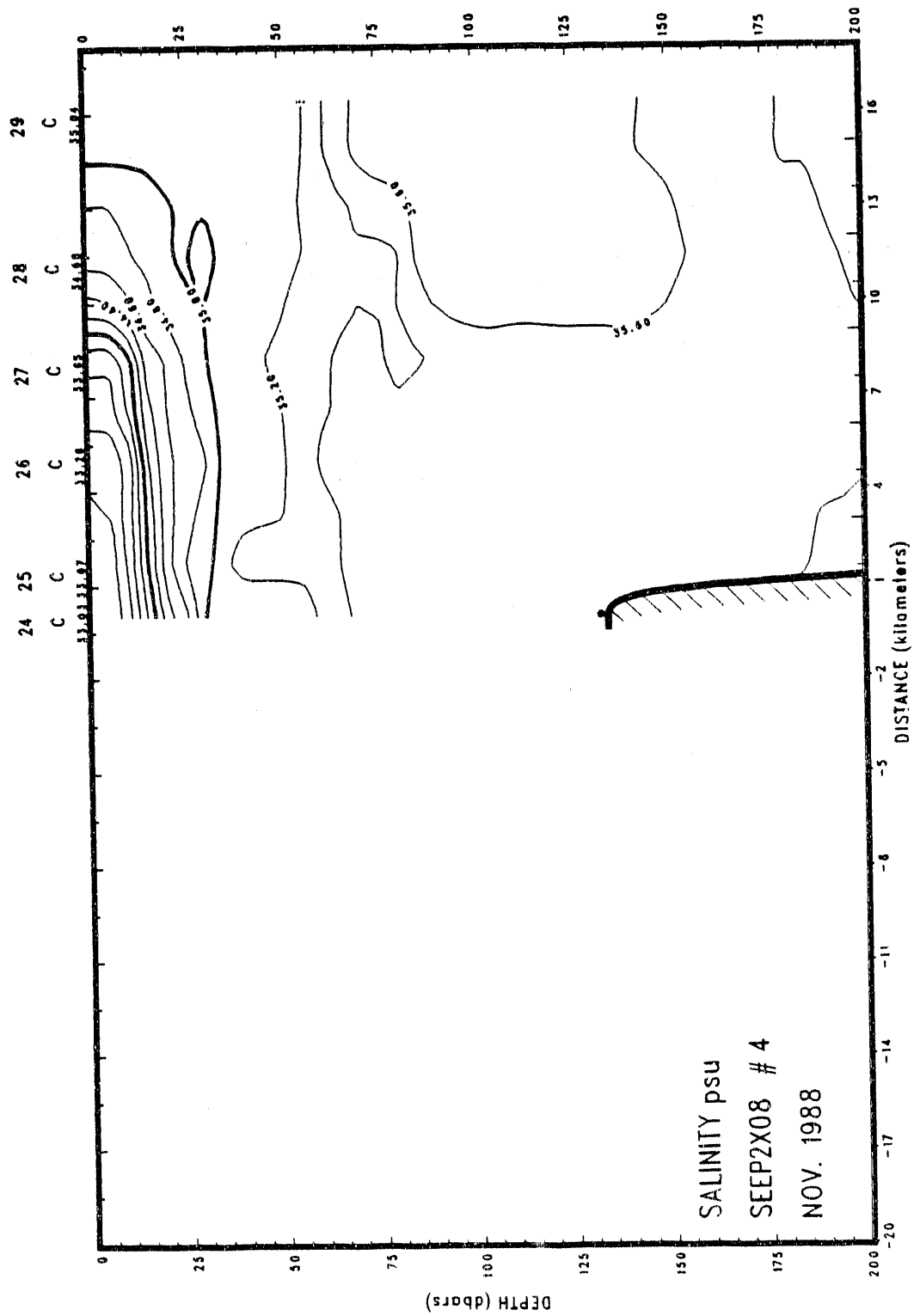
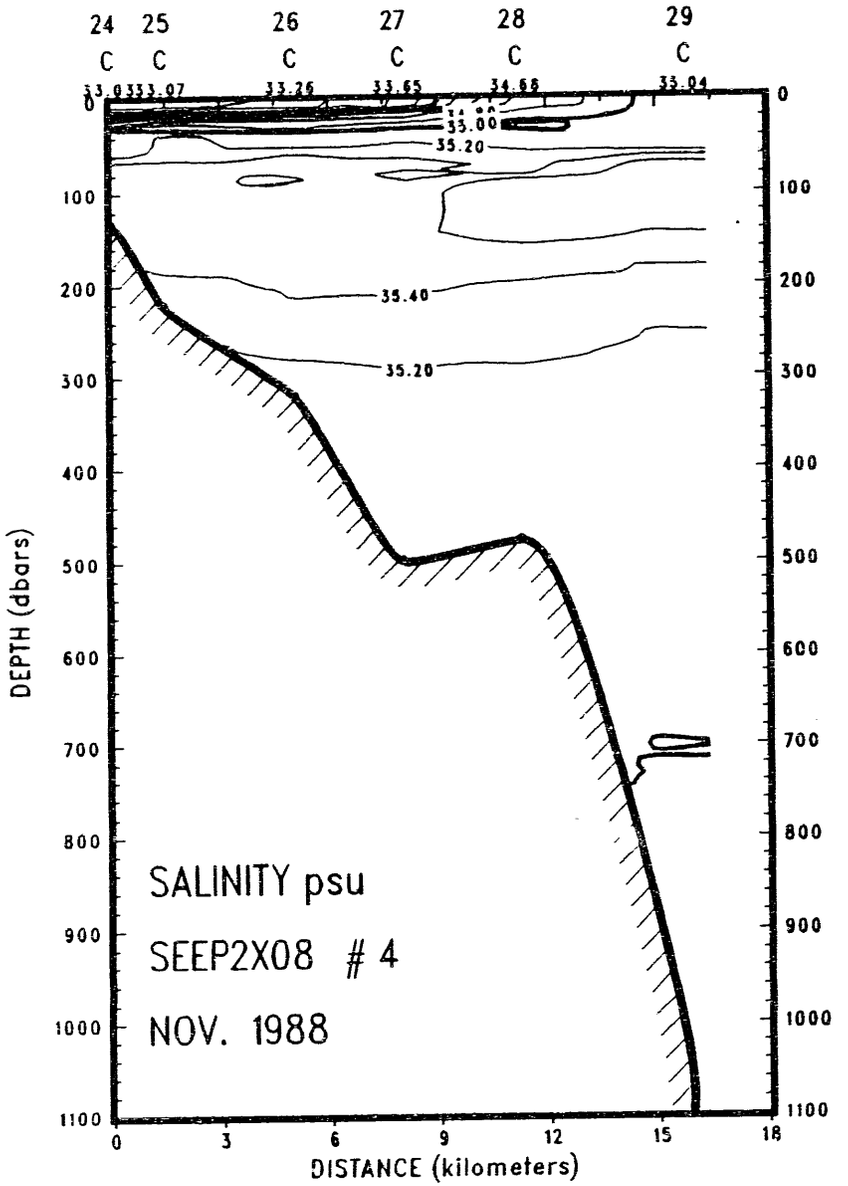


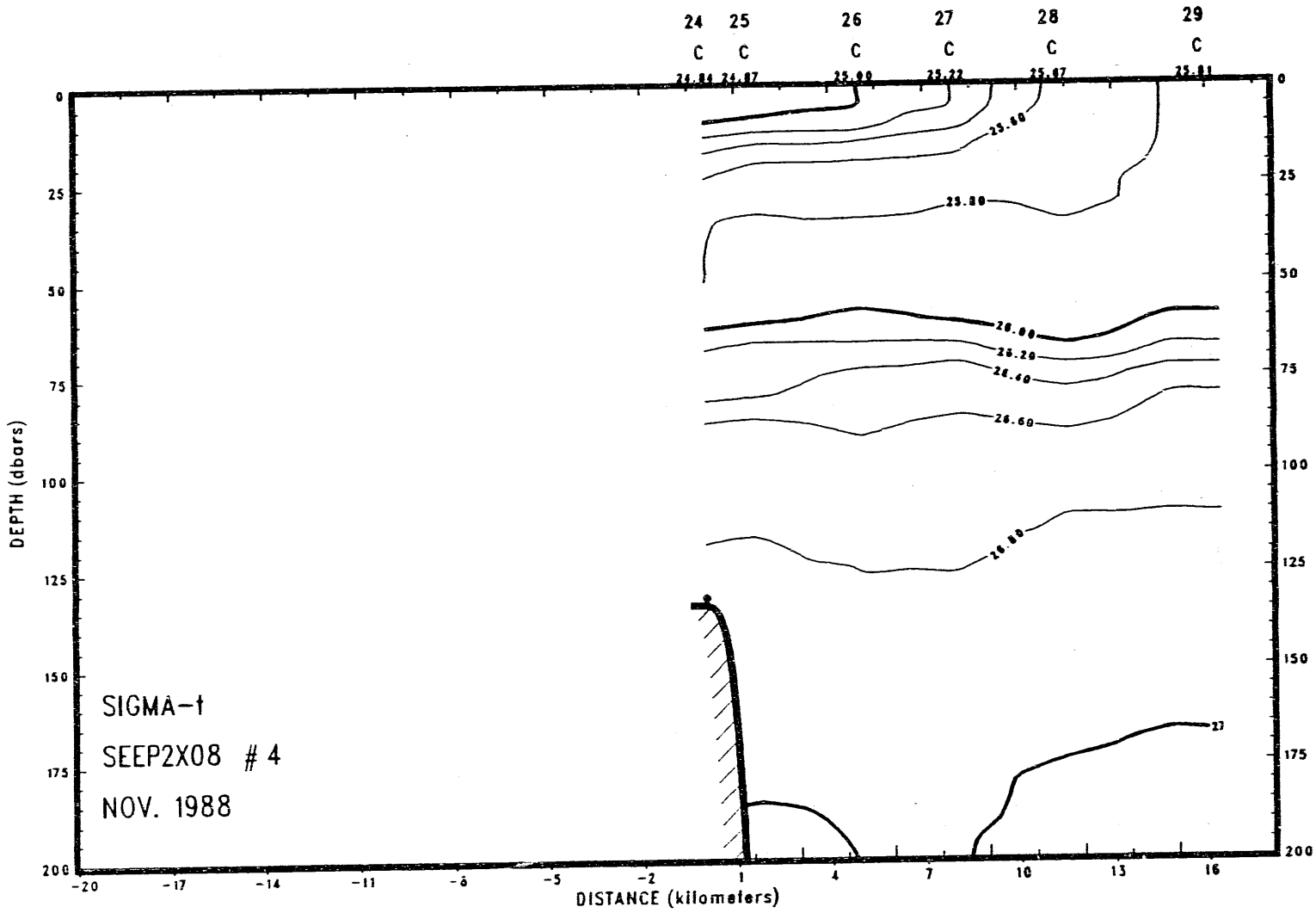
Figure 7. Washington Canyon (Transect 4) map

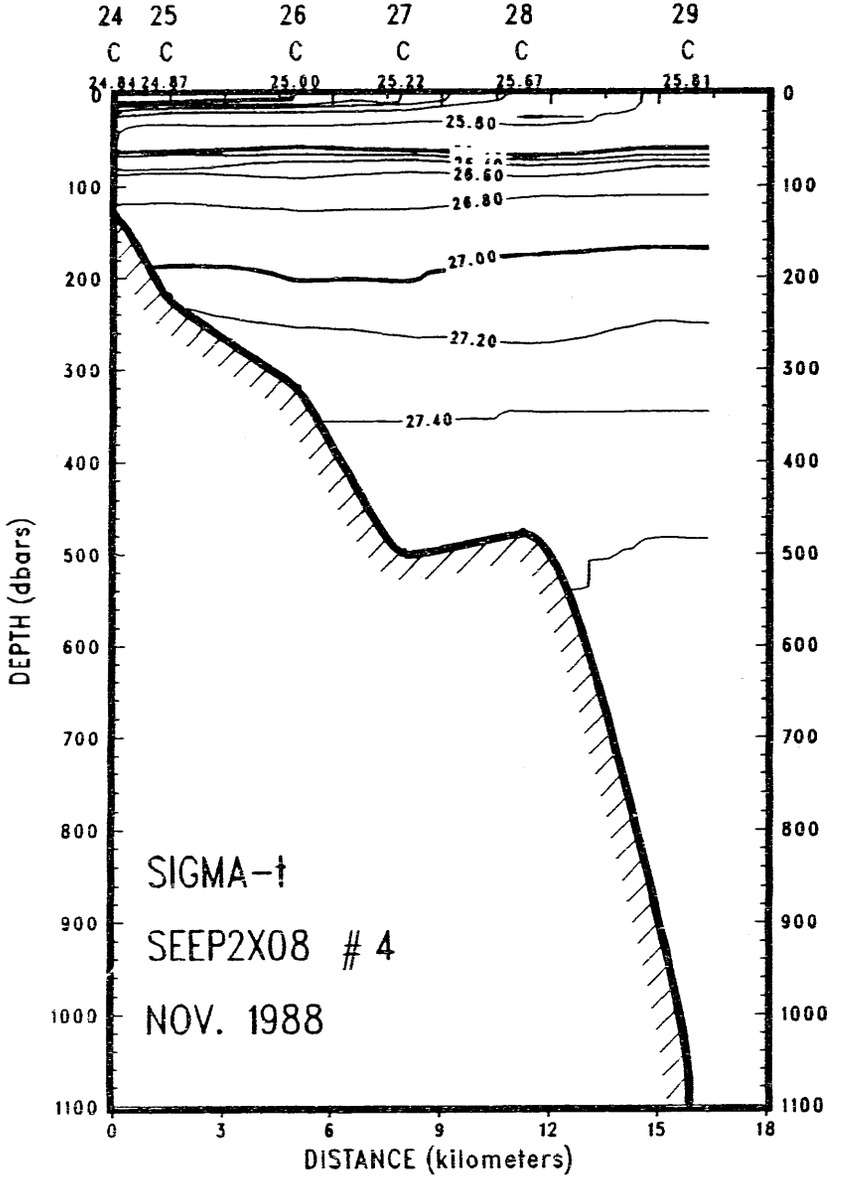

24 C
25 C
26 C
27 C
28 C
29 C
DEPTH (dbars)
DISTANCE (kilometers)
TEMPERATURE °C
SEEP2X08 # 4
NOV. 1988

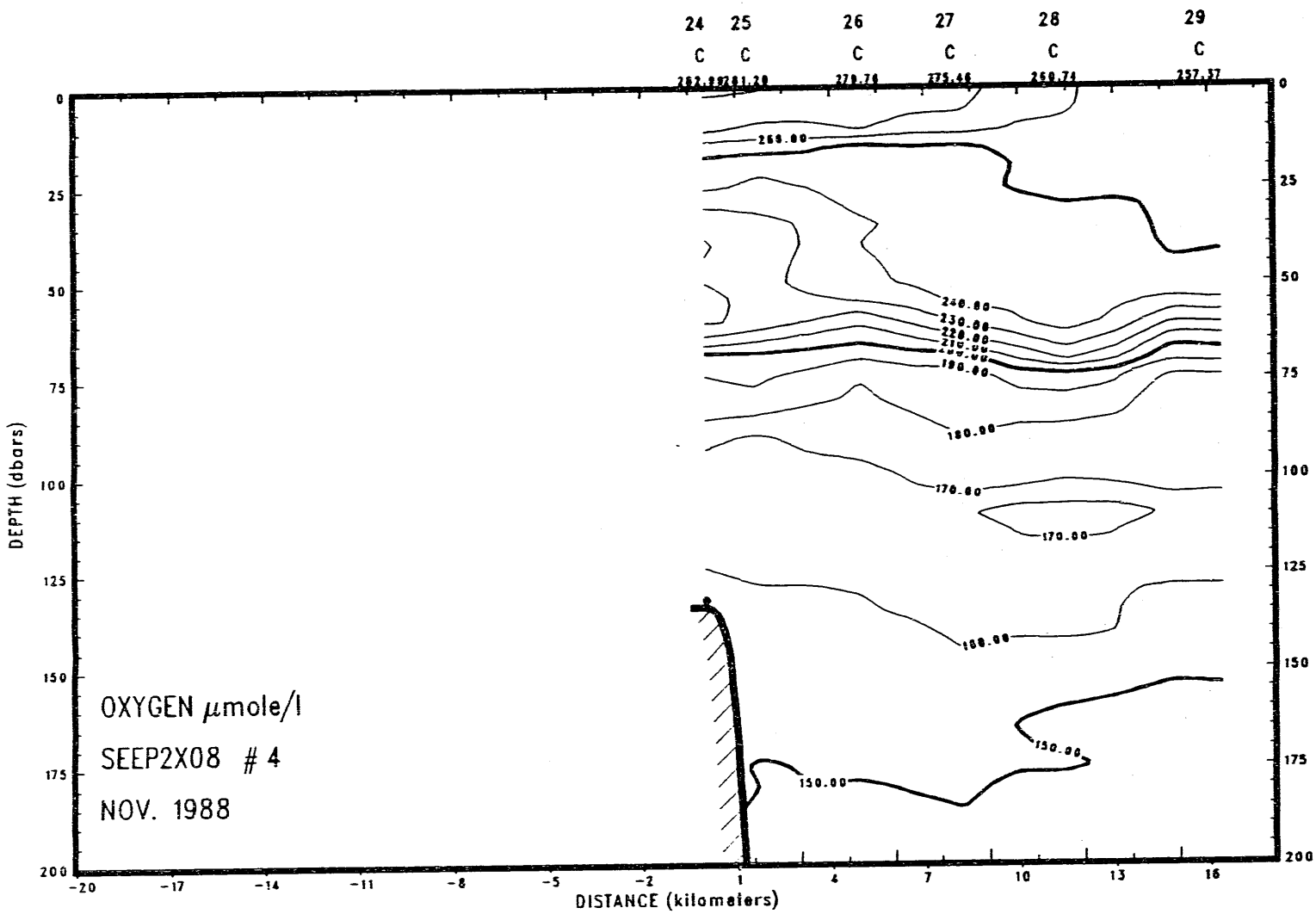

24 C
25 C
26 C
27 C
28 C
29 C
13.16
13.15
13.26
13.64
15.28
15.86
16.00
15.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
900
1000
1100
TEMPERATURE °C
SEEP2X08 # 4
NOV. 1988
0
3
6
9
12
15
18
DISTANCE (kilometers)

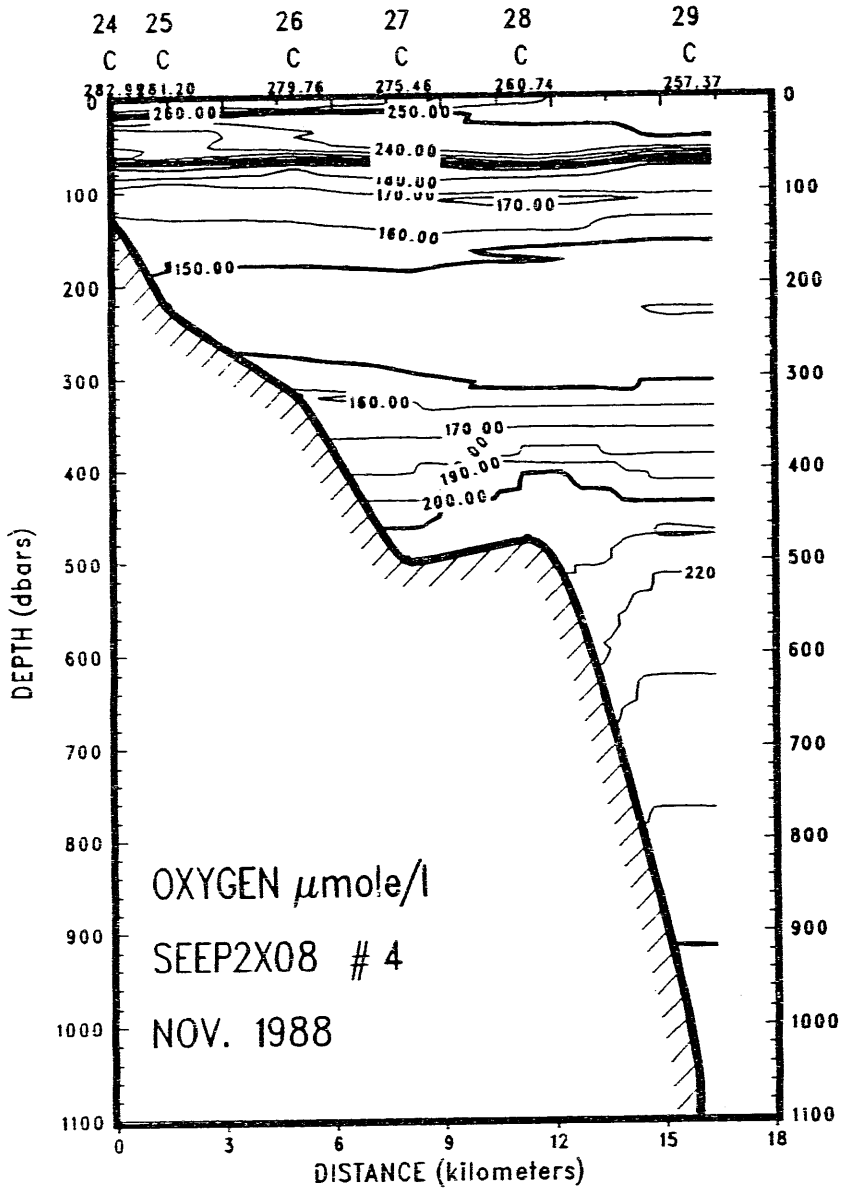

SALINITY psu
SEEP2X08 # 4
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)

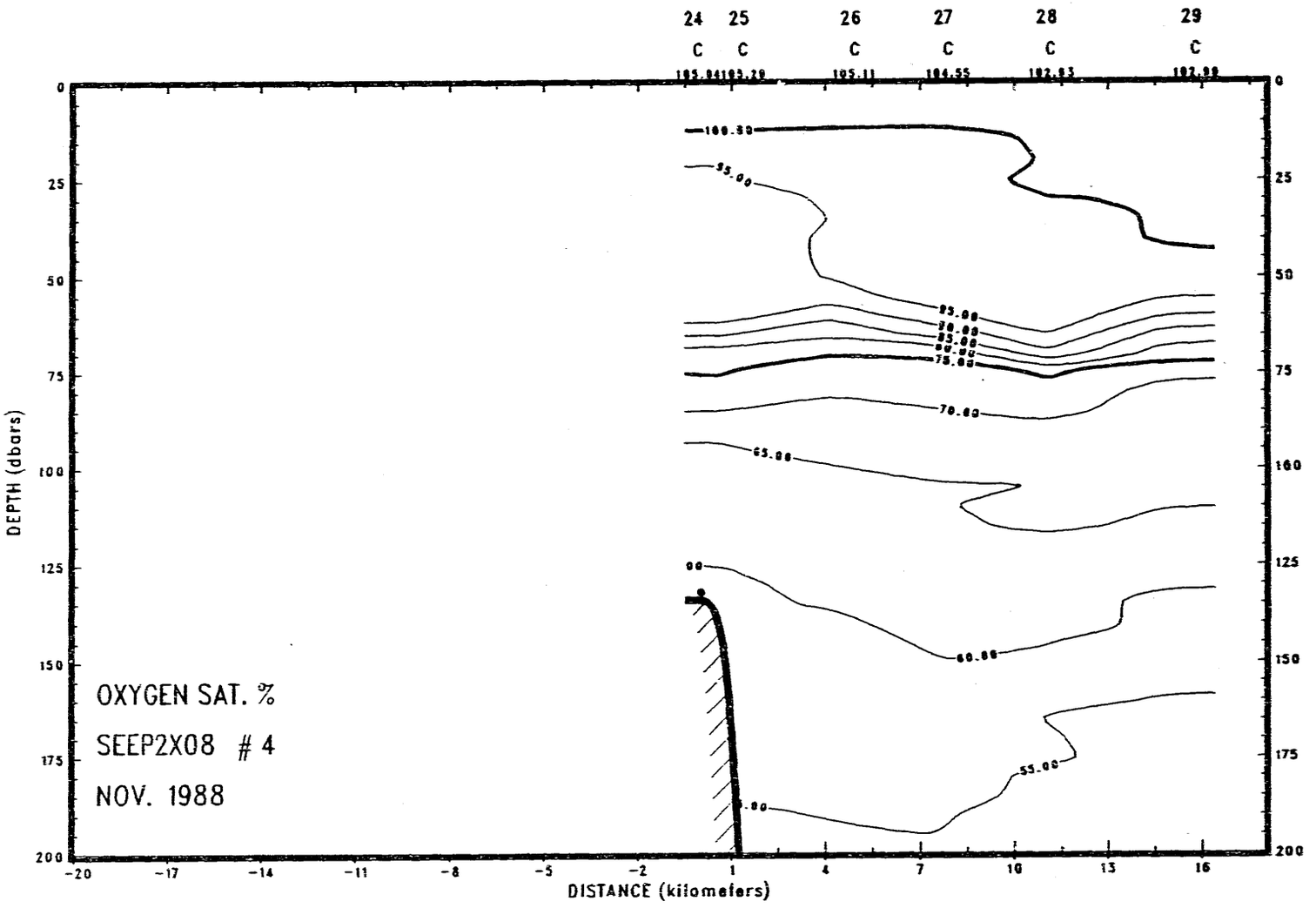

24 C
25 C
26 C
27 C
28 C
29 C
33.03
33.07
33.26
33.65
34.68
35.04
35.00
35.20
35.40
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
900
1000
1100
SALINITY psu
SEEP2X08 # 4
NOV. 1988
0
3
6
9
12
15
18
DISTANCE (kilometers)

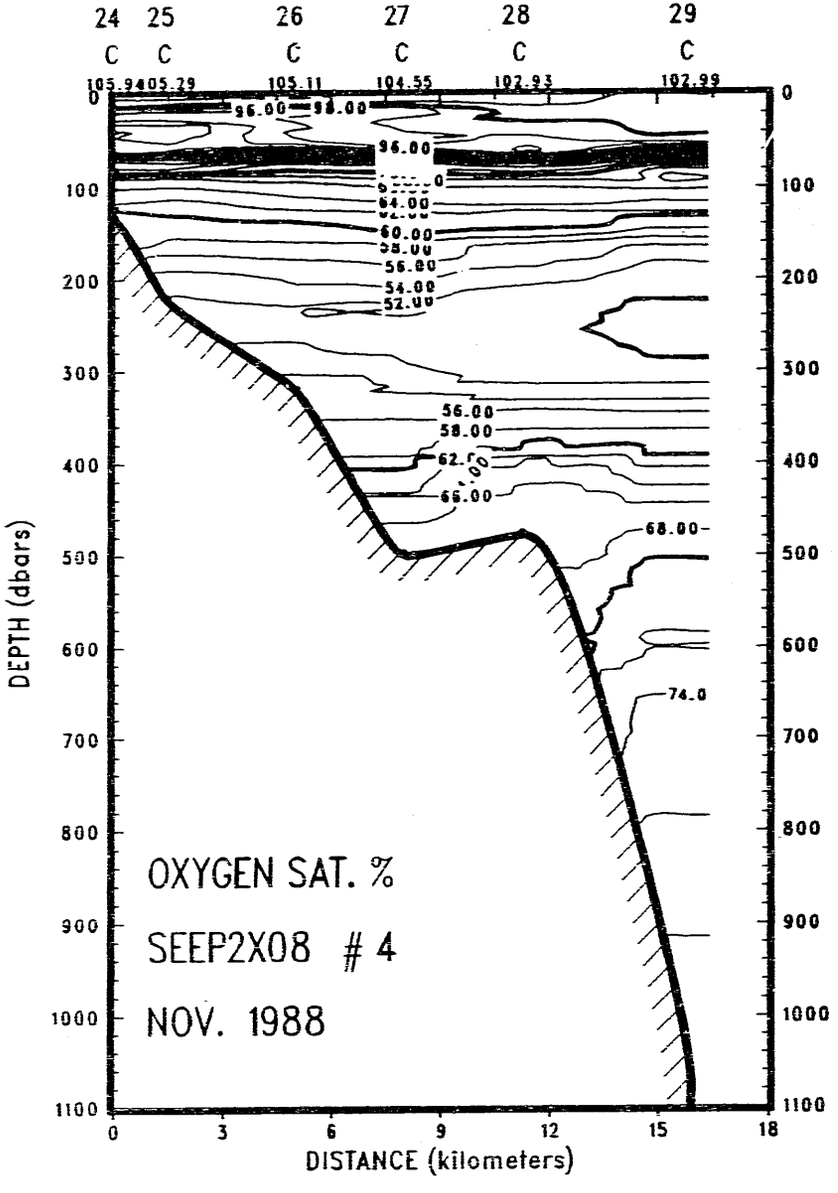

24 C
25 C
26 C
27 C
28 C
29 C
24.84
24.87
25.00
25.22
25.47
25.81
25.60
25.80
26.00
26.20
26.40
26.60
26.80
27
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
SIGMA-t
SEEP2X08 # 4
NOV. 1988
-20
-17
-14
-11
-8
-5
-2
1
4
7
10
13
16
DISTANCE (kilometers)

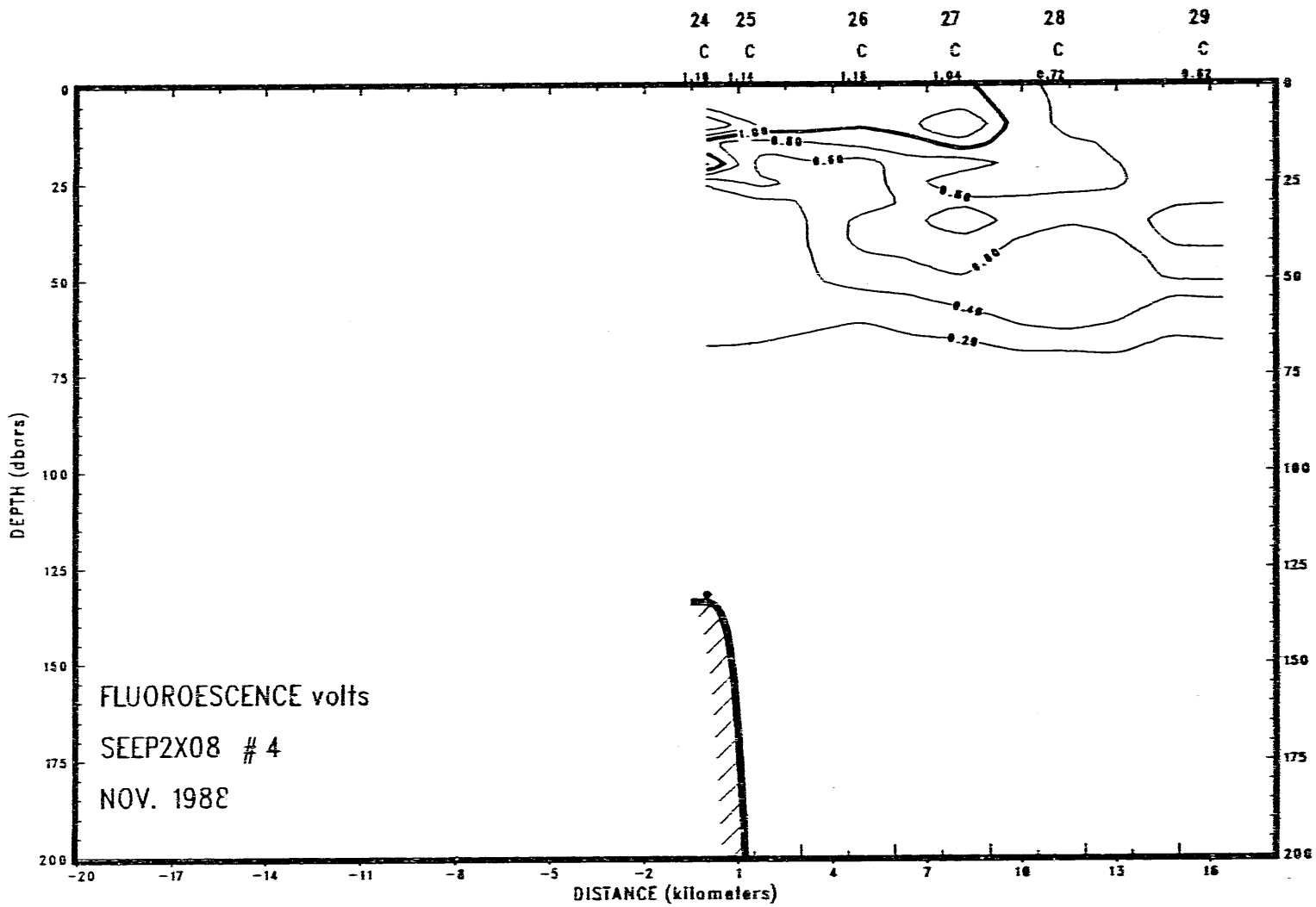

24 C
25 C
26 C
27 C
28 C
29 C
24.84
24.87
25.00
25.22
25.67
25.81
25.80
26.60
26.80
27.00
27.20
27.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
900
1000
1100
SIGMA-t
SEEP2X08 # 4
NOV. 1988
0
3
6
9
12
15
18
DISTANCE (kilometers)

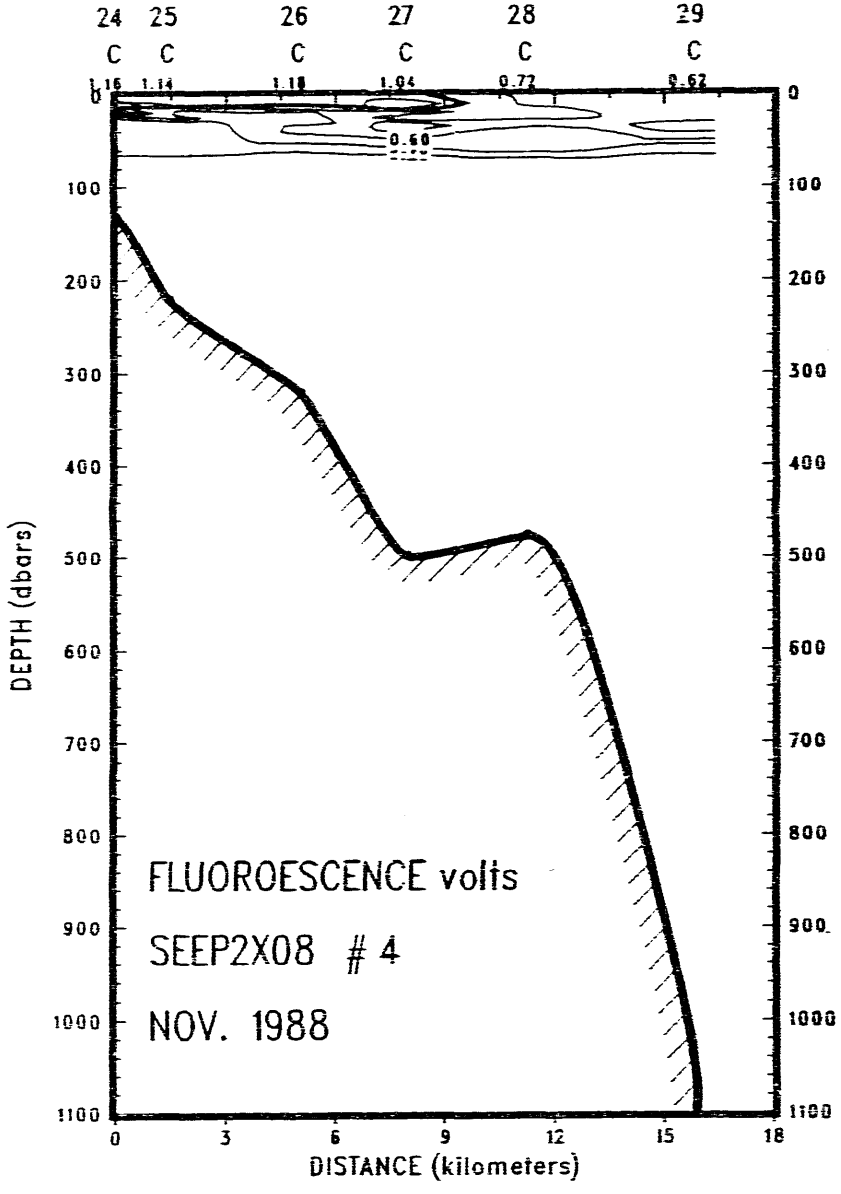

24 C
25 C
26 C
27 C
28 C
29 C
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN μmole/l
SEEP2X08 # 4
NOV. 1988
260.00
240.00
230.00
220.00
210.00
200.00
190.00
180.00
170.00
160.00
150.00

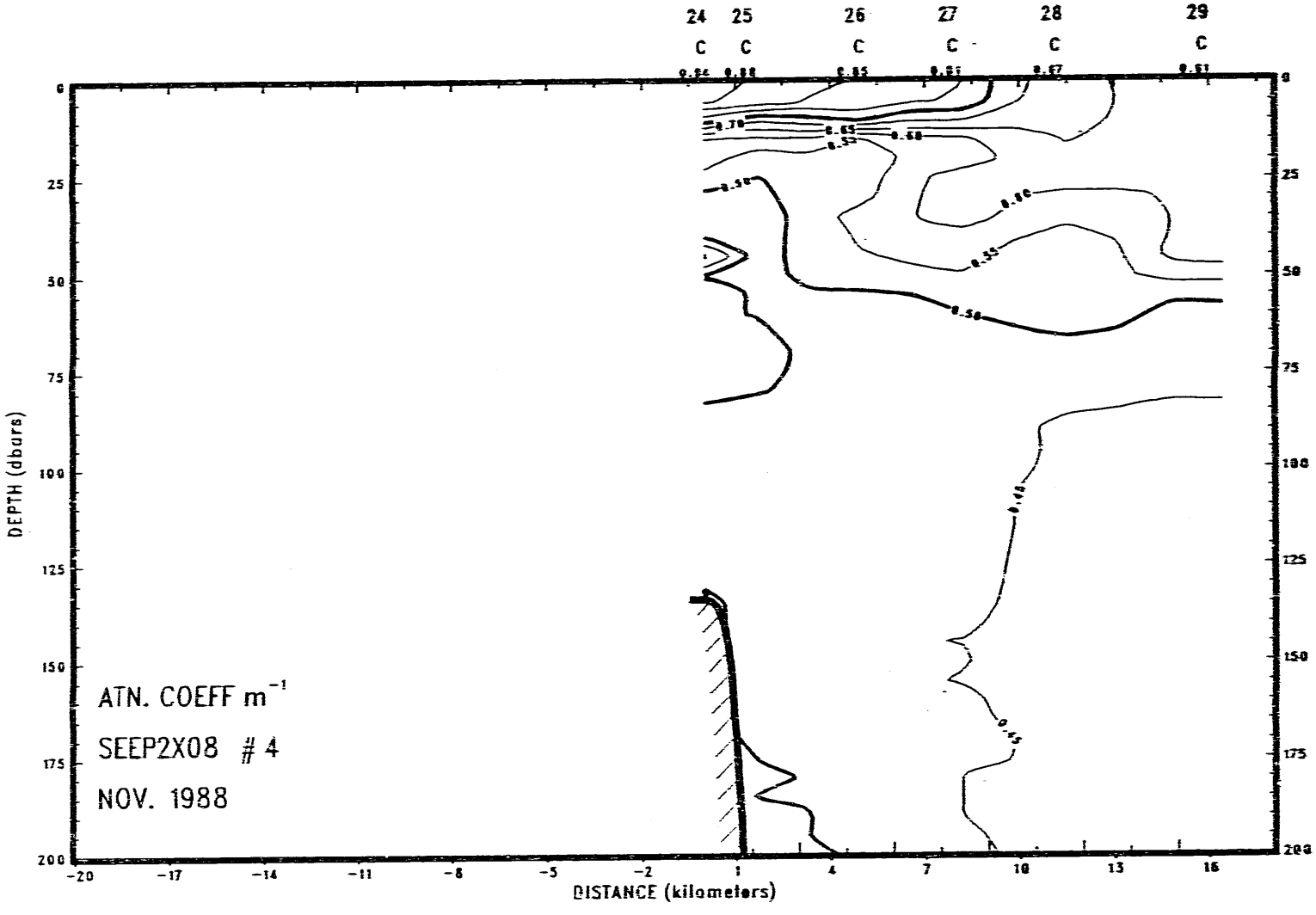

24 C
25 C
26 C
27 C
28 C
29 C
282.98
281.20
279.76
275.46
260.74
257.37
260.00
250.00
240.00
170.00
160.00
150.00
160.00
170.00
190.00
200.00
220
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
900
1000
1100
OXYGEN μmole/l
SEEP2X08 # 4
NOV. 1988
0
3
6
9
12
15
18
DISTANCE (kilometers)

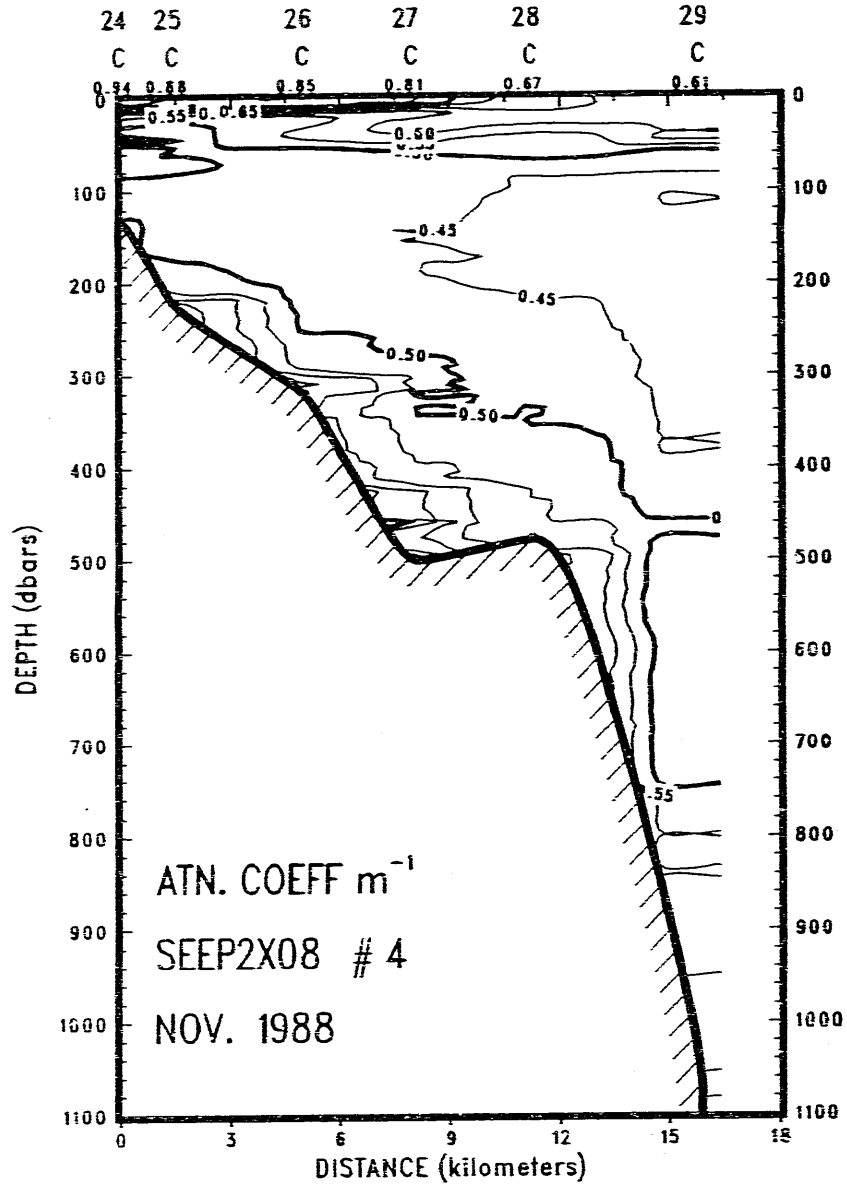

24 25 26 27 28 29
C C C C C C
185.84 183.29 185.11 184.55 182.83 182.98
100.00
95.00
90.00
85.00
80.00
75.00
70.00
65.00
60.00
55.00
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
-20 -17 -14 -11 -8 -5 -2 1 4 7 10 13 16
DISTANCE (kilometers)
OXYGEN SAT. %
SEEP2X08 # 4
NOV. 1988

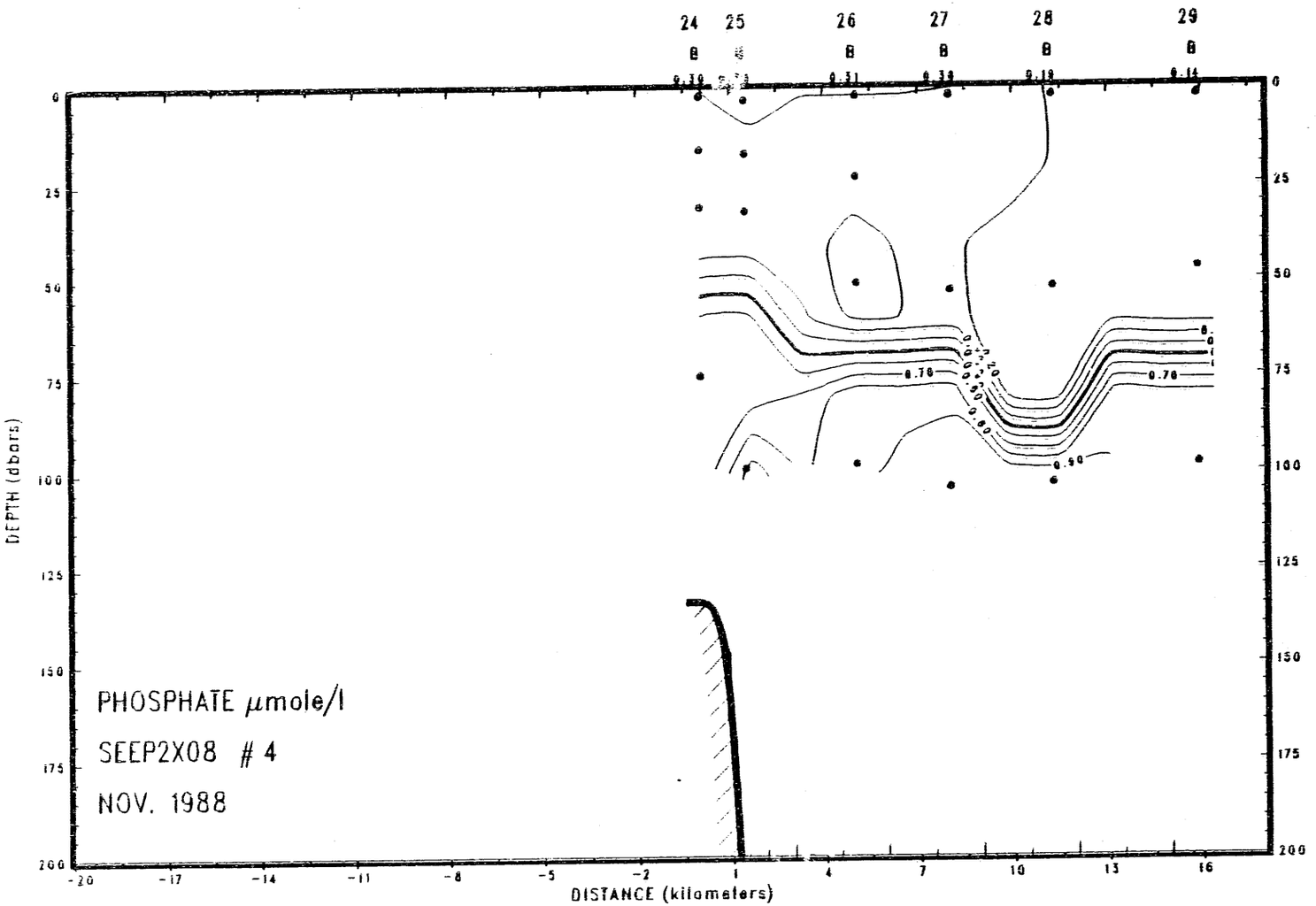

24 C
25 C
26 C
27 C
28 C
29 C
105.94
105.29
105.11
104.55
102.93
102.99
96.00
98.00
64.00
60.00
56.00
54.00
52.00
56.00
58.00
62.00
66.00
68.00
74.0
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN SAT. %
SEEP2X08 # 4
NOV. 1988

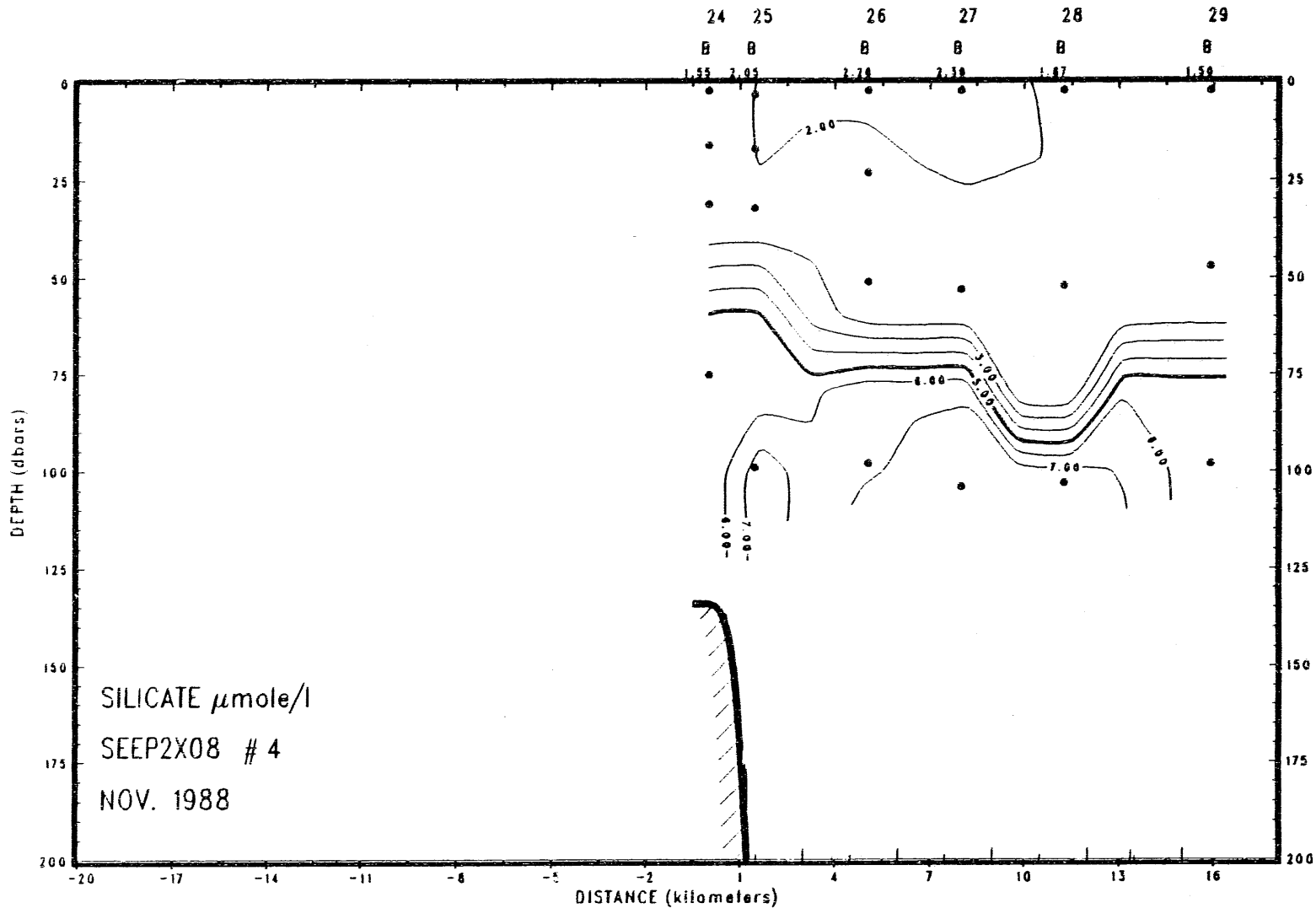

24 C
25 C
26 C
27 C
28 C
29 C
1.59
0.80
0.60
0.40
0.20
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
FLUOROESCENCE volts
SEEP2X08 # 4
NOV. 1988
-20
-17
-14
-11
-8
-5
-2
1
4
7
10
13
16
DISTANCE (kilometers)

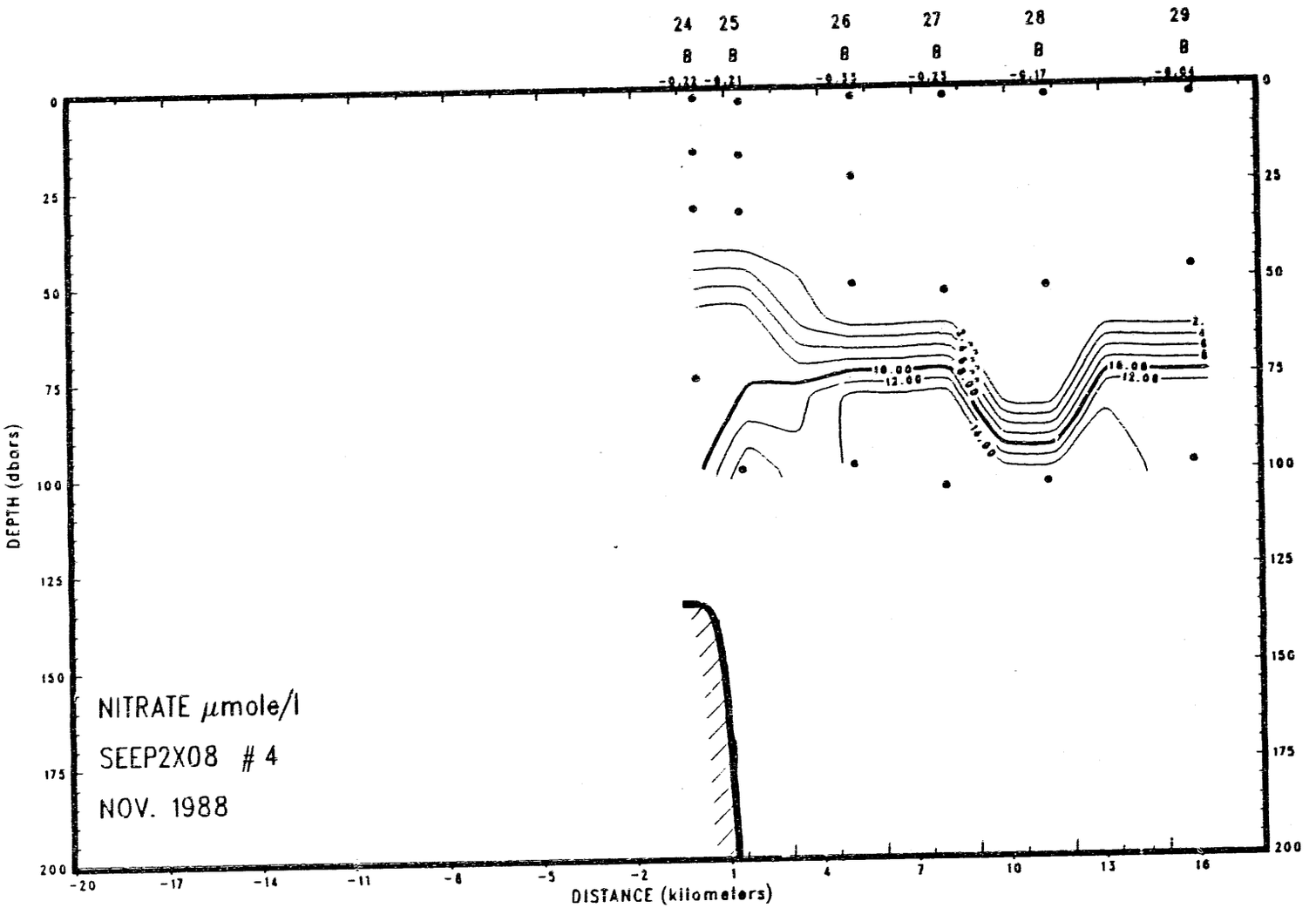

24 C
25 C
26 C
27 C
28 C
29 C
1.15
1.14
1.18
1.84
0.72
0.62
0.60
0
100
200
300
400
500
600
700
800
900
1000
1100
DEPTH (dbars)
FLUOROESCENCE volts
SEEP2X08 # 4
NOV. 1988
0
3
6
9
12
15
18
DISTANCE (kilometers)

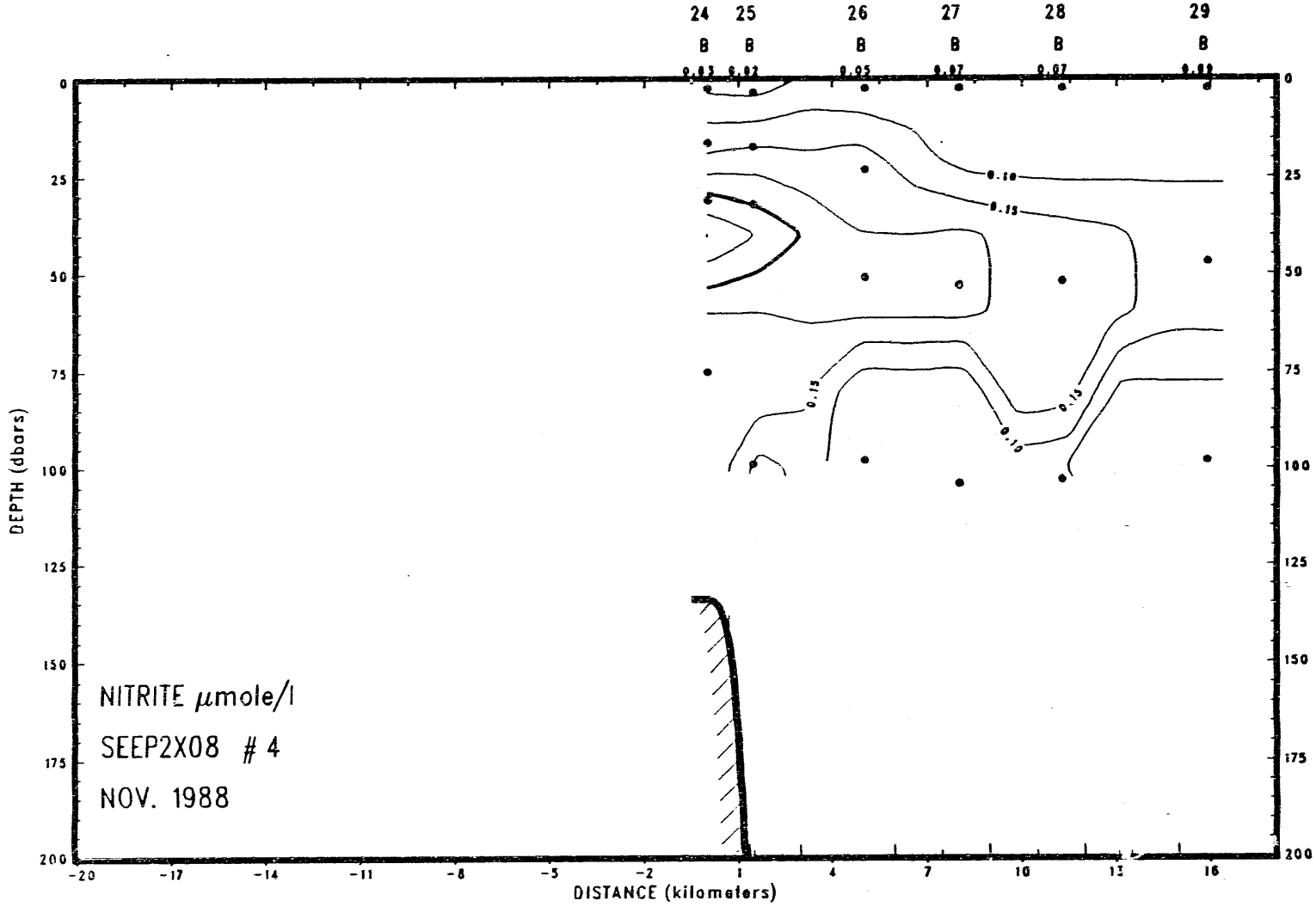

24 C
25 C
26 C
27 C
28 C
29 C
DEPTH (dbars)
DISTANCE (kilometers)
ATN. COEFF m^{-1}
SEEP2X08 # 4
NOV. 1988

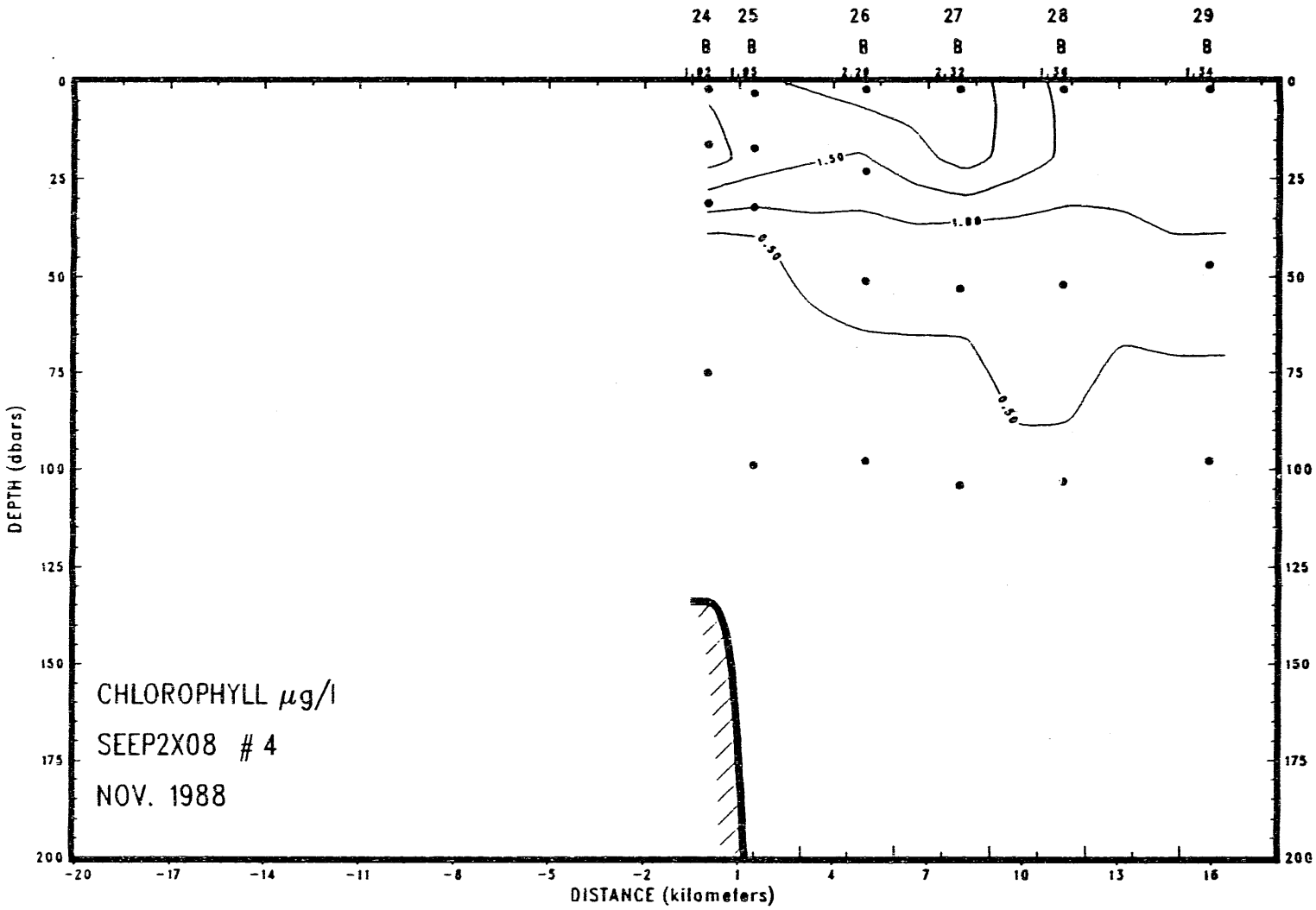

24 C
25 C
26 C
27 C
28 C
29 C
0.55
0.65
0.50
0.45
0.45
0.50
0.50
0
.55
ATN. COEFF m^{-1}
SEEP2X08 # 4
NOV. 1988
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
900
1000
1100
0
3
6
9
12
15

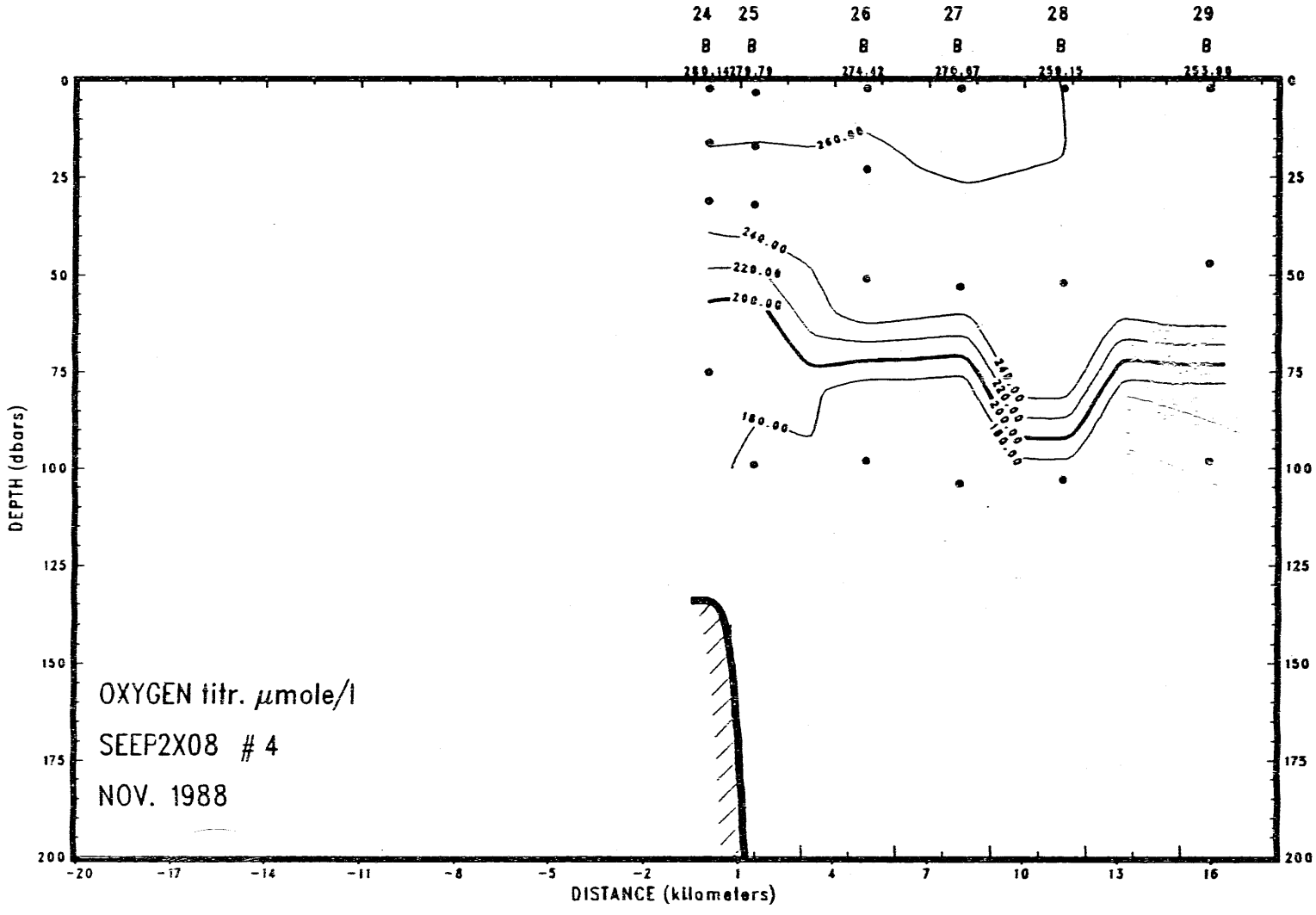

24
25
26
27
28
29
B
DEPTH (dbars)
DISTANCE (kilometers)
PHOSPHATE μmole/l
SEEP2X08 # 4
NOV. 1988


24 25 26 27 28 29
B B B B B B
1.55 2.05 2.78 2.38 1.87 1.58
2.00
3.00
4.00
5.00
6.00
7.00
8.00
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
-20 -17 -14 -11 -8 -5 -2 1 4 7 10 13 16
DISTANCE (kilometers)
SILICATE μmole/l
SEEP2X08 # 4
NOV. 1988


24
25
26
27
28
29
B
DEPTH (dbars)
DISTANCE (kilometers)
NITRATE μmole/l
SEEP2X08 # 4
NOV. 1988


24 25 26 27 28 29
B B B B B B
0.03 0.02 0.05 0.07 0.07 0.03
0.10
0.15
0.15
0.15
0.10
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
-20 -17 -14 -11 -8 -5 -2 1 4 7 10 13 16
DISTANCE (kilometers)
NITRITE μmole/l
SEEP2X08 # 4
NOV. 1988


24 25 26 27 28 29
B B B B B B
1.82 1.85 2.28 2.32 1.38 1.34
1.50
1.00
0.50
0.50
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
-20 -17 -14 -11 -8 -5 -2 1 4 7 10 13 16
DISTANCE (kilometers)
CHLOROPHYLL µg/l
SEEP2X08 # 4
NOV. 1988


24 25 26 27 28 29
B B B B B B
289.14 279.79 274.42 270.87 259.13 253.88
260.00
240.00
220.00
200.00
180.00
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
-20 -17 -14 -11 -8 -5 -2 1 4 7 10 13 16
DISTANCE (kilometers)
OXYGEN titr. μmole/l
SEEP2X08 # 4
NOV. 1988

SEEP2-08

CTD DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	11 NOV 88	1320	37 45.47	74 36.34	56	54

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	13.819	33.082	24.743	249.35	1.110	.808
4	13.818	33.081	24.743	234.03	1.119	.803
5	13.821	33.081	24.742	187.31	1.121	.802
6	13.820	33.081	24.742	201.39	1.208	.805
7	13.818	33.081	24.742	237.76	1.256	.802
8	13.819	33.082	24.743	442.38	1.336	.803
9	13.819	33.083	24.744	419.33	1.879	.804
10	13.820	33.082	24.743	363.39	2.031	.804
11	13.821	33.085	24.745	263.34	1.356	.803
12	13.821	33.086	24.746	270.19	1.276	.801
13	13.821	33.093	24.751	283.30	1.527	.801
14	13.821	33.100	24.756	286.92	1.366	.798
39	13.821	33.090	24.749	287.02	1.323	.797
40	13.810	33.701	25.223	257.46	.378	.536
41	13.775	33.757	25.274	256.72	.296	.518
42	13.694	33.769	25.300	256.23	.269	.515
43	13.552	33.791	25.346	257.02	.254	.517
44	13.392	33.799	25.385	256.39	.356	.526
45	13.193	33.798	25.423	254.87	.400	.531
46	12.868	33.872	25.546	249.49	.635	.528
47	12.387	33.912	25.671	243.34	.434	.543
48	12.181	33.985	25.767	235.56	.297	.543
49	12.092	34.008	25.802	229.61	.323	.543
50	12.073	34.015	25.810	219.90	.290	.545
51	12.060	34.021	25.818	215.51	.233	.551
52	12.045	34.022	25.821	214.75	.454	.551
53	12.024	34.019	25.823	215.28	.386	.559
54	11.996	34.023	25.832	212.90	.273	.571

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	11 NOV 88	2225	37 47.26	74 45.27	41	39

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.565	33.332	24.780	268.26	1.685	.875
3	14.569	33.329	24.777	270.00	1.647	.869
5	14.584	33.326	24.771	271.07	1.986	.858
6	14.579	33.328	24.774	271.76	1.706	.851
7	14.578	33.327	24.774	271.84	1.788	.851
8	14.577	33.329	24.775	272.97	1.670	.850
9	14.578	33.329	24.775	273.15	1.739	.853
10	14.581	33.329	24.775	271.69	2.092	.847
11	14.585	33.330	24.774	273.22	1.761	.840
12	14.585	33.331	24.775	272.95	2.143	.845
13	14.582	33.331	24.776	273.43	1.905	.847
14	14.579	33.333	24.778	274.08	1.577	.845
15	14.578	33.333	24.778	273.59	1.912	.848
16	14.750	33.186	24.628	271.93	1.847	.846
17	14.580	33.333	24.778	274.38	1.621	.845
18	14.588	33.337	24.779	274.21	1.852	.845
19	14.591	33.334	24.776	274.17	1.684	.846
20	14.871	33.121	24.552	272.02	2.050	.837
21	14.620	33.345	24.779	273.00	1.602	.841
22	14.622	33.342	24.776	274.33	1.925	.839
23	14.612	33.336	24.774	275.50	2.079	.840
24	14.601	33.333	24.773	275.62	1.974	.844

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	11 NOV 88	2340	37 45.49	74 37.11	54	52

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	13.601	33.075	24.782	277.53	1.244	.851
2	13.614	33.075	24.779	284.11	1.293	.820
3	13.621	33.072	24.776	285.63	1.543	.820
4	13.620	33.071	24.776	282.78	1.416	.818
5	13.618	33.074	24.778	284.67	1.446	.820
6	13.619	33.074	24.778	281.09	1.315	.816
7	13.620	33.074	24.778	277.89	1.291	.816
8	13.625	33.072	24.775	277.41	1.410	.815
9	13.621	33.077	24.780	278.63	1.402	.815
10	13.621	33.074	24.777	277.88	1.396	.814
11	13.622	33.075	24.778	276.55	1.361	.817
12	13.620	33.072	24.776	276.34	1.518	.816
13	13.739	32.970	24.673	276.89	1.400	.818
14	13.620	33.074	24.778	277.67	1.412	.817
15	13.619	33.074	24.777	277.69	1.450	.820
16	13.622	33.072	24.776	279.73	1.489	.817
17	13.620	33.075	24.778	280.06	1.436	.817
18	13.620	33.075	24.779	279.89	1.401	.818
19	13.619	33.076	24.779	280.94	1.603	.816
20	13.629	33.080	24.780	280.91	1.539	.818
21	13.637	33.081	24.779	278.97	1.501	.799
22	13.641	33.079	24.777	277.68	1.453	.817
23	13.646	33.082	24.779	277.25	1.409	.811
24	13.646	33.080	24.777	275.56	1.423	.812
25	13.646	33.082	24.778	274.33	1.442	.817
26	13.647	33.082	24.778	273.91	1.438	.815
27	13.651	33.085	24.780	274.26	1.497	.812
28	13.656	33.085	24.779	272.67	1.569	.813
29	13.658	33.087	24.780	273.41	1.582	.807
30	13.675	33.094	24.782	276.04	1.575	.805
31	13.679	33.092	24.779	276.22	1.442	.805
32	13.671	33.093	24.782	276.48	1.437	.803
33	13.693	33.096	24.780	276.43	1.438	.802
34	13.745	33.136	24.800	275.87	1.502	.783
35	13.805	33.158	24.805	275.20	1.554	.753
36	13.842	33.187	24.820	270.53	1.322	.729
37	15.720	31.739	23.303	250.77	1.319	.681
38	13.634	33.599	25.180	259.95	1.191	.525
39	13.317	33.784	25.388	253.63	.633	.510
40	12.965	33.763	25.442	244.64	.539	.514
41	12.617	33.911	25.626	237.01	.574	.516

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	12.822	33.689	25.413	228.24	.377	.518
43	12.397	33.954	25.701	222.27	.556	.549
44	12.344	33.991	25.740	218.78	.801	.555
45	12.245	33.995	25.762	216.93	.389	.575
46	12.921	33.239	25.045	210.31	.267	.680
47	12.019	34.011	25.818	211.00	.365	.583
48	11.973	34.019	25.833	208.72	.313	.571
49	11.945	34.028	25.845	206.68	.266	.566
50	11.946	34.026	25.844	221.36	.262	.564
51	12.321	33.673	25.498	215.01	.250	.563
52	11.916	34.400	26.140	219.45	.277	.562

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	12 NOV 88	0045	37 43.89	74 31.21	58	56

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.426	32.428	24.112	275.52	1.289	.798
3	14.668	32.229	23.908	273.12	1.403	.832
4	13.817	32.947	24.639	279.00	1.357	.825
5	13.682	33.064	24.757	277.29	1.280	.889
6	13.473	33.247	24.941	276.39	1.250	.824
7	13.458	33.261	24.955	276.30	1.255	.826
8	13.468	33.265	24.956	276.50	1.253	.824
9	13.470	33.262	24.954	275.37	1.394	.826
10	13.947	32.841	24.531	272.52	1.323	.823
11	13.475	33.264	24.954	278.20	1.277	.825
12	13.505	33.709	25.292	278.51	1.323	.826
13	15.113	31.929	23.582	265.93	1.345	.818
14	13.554	33.216	24.901	281.51	1.357	.817
15	13.504	33.287	24.965	283.33	1.411	.824
16	13.510	33.294	24.970	283.13	1.404	.823
17	13.522	33.302	24.974	283.21	1.396	.818
18	13.548	33.324	24.985	282.02	1.574	.810
19	13.555	33.322	24.982	278.30	1.793	.807
20	13.586	33.365	25.009	277.11	1.820	.801
21	13.696	33.475	25.072	275.15	1.422	.750
22	13.782	33.552	25.114	275.27	1.212	.718
23	14.027	33.779	25.239	272.20	1.065	.648
24	14.408	34.075	25.387	266.11	.831	.576
25	14.806	34.302	25.477	261.94	.818	.685
26	15.048	34.370	25.477	259.60	1.167	.543
27	15.248	34.555	25.575	252.57	.998	.513
28	15.891	34.321	25.251	248.26	.715	.490
29	15.581	34.774	25.669	244.13	.382	.483
30	15.615	34.794	25.677	243.38	.251	.477
31	15.642	34.813	25.686	241.29	.214	.477
32	15.611	34.864	25.732	240.47	.207	.478
33	15.660	34.821	25.688	239.29	.217	.472
34	15.667	34.837	25.699	239.04	.211	.473
35	15.673	34.845	25.703	238.95	.215	.472
36	15.670	34.860	25.715	238.31	.206	.471
37	15.671	34.879	25.730	239.54	.198	.470
38	15.630	34.926	25.775	238.56	.190	.552
39	15.659	34.900	25.749	236.29	.196	.468
40	15.649	34.901	25.752	236.94	.188	.468
41	15.626	34.896	25.754	237.72	.187	.467
42	15.483	34.841	25.743	235.68	.197	.467

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.201	34.795	25.770	236.50	.199	.467
44	14.887	34.711	25.774	236.52	.197	.468
45	14.645	34.644	25.775	234.68	.190	.471
46	13.709	34.288	25.698	237.50	.218	.480
47	12.989	34.291	25.846	236.61	.205	.489
48	12.892	34.320	25.888	231.07	.215	.490
49	12.812	34.294	25.884	226.83	.204	.490
50	12.669	34.262	25.887	226.14	.203	.492
51	12.739	34.073	25.727	221.72	.207	.498
52	12.510	33.939	25.668	224.34	.208	.501
53	11.986	34.068	25.869	219.48	.232	.520
54	11.764	34.202	26.015	214.16	.224	.529
55	11.749	34.230	26.039	208.13	.237	.536
56	11.759	34.299	26.091	203.42	.242	.536
57	12.386	33.783	25.571	197.91	.260	.536

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	12 NOV 88	0200	37 42.64	74 24.40	67	65

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	15.050	32.877	24.326	257.21	1.088	.859
3	14.335	33.246	24.763	249.18	1.100	.770
4	14.190	33.367	24.887	246.29	1.047	.770
5	14.195	33.362	24.882	266.29	1.075	.769
6	14.111	33.437	24.957	265.93	1.057	.766
7	13.857	33.650	25.175	264.92	1.048	.769
8	13.846	33.657	25.182	261.96	1.081	.765
9	13.995	33.959	25.384	260.83	1.084	.765
10	14.031	33.484	25.010	260.41	1.095	.769
11	14.314	33.239	24.762	258.33	1.117	.768
12	14.772	33.718	25.033	252.43	1.149	.767
13	14.035	33.494	25.017	260.33	1.169	.767
14	13.855	33.670	25.190	262.97	1.165	.771
15	14.719	33.009	24.499	256.32	1.179	.760
16	13.963	33.770	25.245	263.63	1.143	.753
17	13.991	33.783	25.250	263.75	1.093	.749
18	14.416	33.487	24.932	259.96	1.316	.733
19	14.042	33.846	25.288	264.01	1.186	.745
20	14.065	33.892	25.318	262.06	1.199	.718
21	14.106	33.980	25.377	260.04	1.085	.691
22	14.196	34.094	25.446	257.87	1.093	.664
23	14.305	34.153	25.469	255.55	1.101	.636
24	14.411	34.200	25.483	250.93	1.282	.613
25	14.549	34.339	25.561	245.76	.855	.568
26	14.656	34.386	25.574	243.15	.670	.553
27	14.681	34.388	25.570	241.06	.601	.551
28	14.747	34.462	25.613	239.33	.664	.546
29	14.981	34.594	25.664	236.10	.516	.533
30	15.051	34.654	25.695	237.22	.444	.520
31	15.524	34.297	25.315	237.59	.415	.509
32	15.121	34.731	25.739	240.61	.382	.509
33	15.233	34.847	25.803	240.04	.379	.499
34	15.695	35.004	25.821	233.06	.466	.499
35	15.419	34.944	25.837	233.91	.375	.495
36	15.737	35.139	25.915	231.20	.333	.491
37	15.949	35.193	25.909	231.00	.364	.488
38	16.137	35.286	25.937	229.54	.317	.482
39	16.384	35.393	25.962	227.45	.260	.480
40	16.351	35.327	25.919	225.49	.229	.476
41	16.225	35.311	25.936	225.96	.210	.476
42	16.143	35.285	25.935	224.61	.213	.471

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.856	35.122	25.876	225.05	.284	.475
44	15.474	35.022	25.885	222.54	.220	.477
45	14.944	34.860	25.877	222.85	.213	.475
46	14.325	34.697	25.885	224.95	.198	.472
47	14.167	34.646	25.879	223.82	.192	.471
48	15.588	33.314	24.544	209.68	.192	.468
49	14.027	34.881	26.090	220.68	.182	.469
50	14.095	34.892	26.084	218.04	.187	.471
52	14.066	34.903	26.099	213.90	.199	.477
53	14.482	34.535	25.726	210.43	.211	.482
54	14.040	34.888	26.093	212.41	.214	.487
55	13.763	34.770	26.059	214.75	.216	.499
56	13.582	34.762	26.091	214.70	.240	.504
57	13.315	34.695	26.094	213.32	.234	.664
58	13.161	34.679	26.113	212.47	.241	.533
59	13.051	34.672	26.129	210.21	.245	.541
60	12.981	34.674	26.145	210.23	.293	.546
61	12.895	34.646	26.140	208.96	.289	.554
62	12.848	34.638	26.144	209.55	.277	.559
63	12.802	34.634	26.149	209.30	.275	.567
64	13.336	34.142	25.661	204.93	.274	.565
65	12.779	34.637	26.156	209.16	.275	.685
66	12.777	34.643	26.162	208.80	.507	.574

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	12 NOV 88	0345	37 39.89	74 16.75	116	114

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.765	32.578	24.156	270.53	1.093	.786
3	13.691	33.510	25.100	281.87	1.197	.785
4	13.690	33.510	25.100	282.62	1.098	.784
5	13.687	33.511	25.102	280.69	1.094	.779
6	13.684	33.513	25.104	278.00	1.113	.780
7	13.684	33.513	25.104	275.59	1.418	.776
8	13.685	33.513	25.103	273.94	1.386	.780
9	14.039	33.205	24.792	270.12	1.398	.787
10	13.686	33.514	25.104	273.59	1.263	.780
11	13.688	33.516	25.106	275.86	1.166	.779
12	13.696	33.516	25.104	276.51	1.141	.781
13	13.712	33.536	25.116	276.27	1.225	.777
14	13.916	33.580	25.108	273.08	1.201	.768
15	14.273	33.369	24.871	271.08	1.174	.762
16	13.987	33.694	25.182	274.04	1.278	.757
17	14.689	33.173	24.631	265.81	1.230	.751
18	14.343	34.027	25.363	267.48	1.866	.722
19	14.766	34.370	25.538	263.39	1.313	.641
20	14.963	34.372	25.497	262.29	.985	.610
21	15.027	34.394	25.499	258.08	.796	.597
22	15.095	34.469	25.542	256.21	.772	.587
23	15.253	34.570	25.586	252.35	.654	.552
24	15.373	34.679	25.643	250.17	.562	.535
25	16.943	33.513	24.388	237.19	.503	.527
26	15.527	34.752	25.664	247.31	.463	.524
27	15.539	34.756	25.665	246.05	.464	.524
28	15.565	34.787	25.683	244.14	.478	.523
29	15.675	34.894	25.741	243.52	.504	.514
30	15.812	34.970	25.769	242.76	.410	.508
31	15.874	34.980	25.762	240.37	.373	.500
32	15.928	34.998	25.763	238.41	.355	.500
33	15.918	34.994	25.763	237.97	.369	.505
34	15.992	35.030	25.773	239.08	.350	.502
35	16.112	35.407	26.036	237.73	.307	.495
36	16.060	35.055	25.777	238.73	.288	.490
37	16.016	35.053	25.785	239.23	.348	.486
38	16.016	35.056	25.788	239.53	.316	.490
39	16.029	35.062	25.789	239.71	.279	.499
40	16.040	35.070	25.793	240.77	.297	.487
41	16.053	35.074	25.793	240.26	.276	.480
42	16.059	35.168	25.864	238.27	.265	.483

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.323	34.851	25.560	236.39	.256	.478
44	16.060	35.322	25.983	240.00	.282	.478
45	16.060	35.083	25.798	241.13	.275	.478
46	16.056	35.078	25.796	240.97	.256	.479
47	16.047	35.080	25.799	241.47	.244	.472
48	16.036	35.431	26.072	240.69	.260	.477
49	16.033	35.077	25.801	241.53	.246	.478
50	16.032	35.069	25.794	241.27	.262	.477
52	15.943	35.060	25.808	240.34	.275	.475
54	16.013	35.171	25.877	237.75	.227	.475
56	16.159	35.229	25.888	237.52	.230	.472
58	16.204	35.255	25.897	238.87	.237	.473
60	16.078	35.248	25.921	236.41	.235	.473
62	16.058	35.254	25.931	233.66	.227	.471
64	16.513	35.519	26.029	229.13	.296	.472
66	16.548	35.482	25.992	227.63	.229	.473
68	16.493	35.517	26.032	226.51	.203	.471
70	16.452	35.521	26.045	220.91	.336	.472
72	16.118	35.535	26.133	218.38	.314	.468
74	15.821	35.556	26.218	213.62	.205	.461
76	15.457	35.473	26.236	208.35	.159	.460
78	15.201	35.464	26.286	205.65	.145	.458
80	15.106	35.632	26.437	201.43	.150	.458
82	14.897	35.468	26.356	200.13	.141	.458
84	14.689	35.476	26.408	197.90	.140	.456
86	14.490	35.469	26.446	194.78	.142	.456
88	14.444	35.459	26.448	193.38	.126	.454
90	14.017	35.367	26.468	194.88	.143	.454
92	13.530	35.313	26.528	195.62	.114	.454
94	13.241	35.441	26.687	191.36	.114	.454
96	13.088	35.444	26.720	183.82	.109	.454
98	13.566	35.517	26.678	175.49	.112	.455
100	12.923	35.475	26.777	180.22	.106	.461
101	12.919	35.495	26.794	178.79	.104	.462
102	12.857	35.476	26.791	176.59	.104	.463
103	12.800	35.500	26.821	177.28	.107	.464
104	12.784	35.509	26.831	175.63	.112	.463
105	12.793	35.952	27.173	173.83	.116	.464
106	13.066	35.323	26.631	170.50	.111	.459
107	13.671	34.779	26.086	167.01	.103	.457
108	13.208	35.238	26.536	168.42	.099	.455
109	12.878	35.556	26.849	170.13	.096	.453
110	12.840	35.555	26.856	169.96	.093	.454
111	13.321	35.034	26.355	165.75	.093	.455
112	12.688	35.977	27.214	168.01	.096	.459
113	12.599	35.527	26.882	167.84	.101	.459

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	12 NOV 88	0435	37 38.10	74 13.35	342	340

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.986	33.756	25.229	270.13	1.247	.736
3	13.986	33.754	25.228	268.77	.967	.737
4	13.986	33.756	25.229	263.73	.973	.736
5	13.984	33.757	25.231	261.27	.991	.738
6	13.983	33.754	25.229	260.76	1.001	.743
7	13.975	33.750	25.227	260.47	.991	.738
8	13.977	33.751	25.227	261.27	1.015	.740
9	13.974	33.754	25.231	261.17	1.303	.738
10	13.978	33.758	25.232	262.09	1.308	.737
11	14.003	33.782	25.246	264.07	1.131	.732
12	14.036	33.796	25.250	269.25	1.074	.732
13	14.092	33.836	25.269	271.51	1.081	.730
14	14.115	33.834	25.263	272.33	1.031	.730
15	14.121	33.836	25.263	274.18	1.189	.734
16	14.136	33.849	25.270	273.73	1.565	.733
17	14.254	33.953	25.326	269.42	1.267	.728
18	14.365	34.043	25.372	269.45	1.170	.720
19	14.479	34.124	25.410	269.34	1.070	.713
20	14.645	34.279	25.494	269.31	1.337	.688
21	14.906	34.453	25.572	266.32	1.169	.653
23	15.210	34.577	25.601	263.50	1.351	.666
24	15.336	34.741	25.699	260.77	1.436	.667
25	15.516	34.863	25.752	258.46	1.154	.655
26	15.617	34.900	25.758	257.28	1.192	.638
27	15.674	34.922	25.763	254.59	.971	.624
28	15.727	34.942	25.766	252.49	.912	.613
29	15.750	34.948	25.765	253.30	.892	.613
30	15.796	34.937	25.747	252.63	.905	.608
31	15.806	34.978	25.776	250.77	.882	.594
32	15.868	35.013	25.789	250.73	.777	.578
33	15.960	35.058	25.802	249.82	.663	.563
34	16.062	35.092	25.805	250.14	.639	.561
35	16.104	35.093	25.796	248.99	.685	.557
36	16.137	35.105	25.798	247.42	.712	.553
37	16.192	35.142	25.814	246.86	.745	.553
38	16.301	35.205	25.837	245.55	.787	.551
39	16.405	35.244	25.842	242.77	.698	.539
40	16.427	35.252	25.844	241.94	.601	.526
41	16.441	35.262	25.848	238.61	.643	.520
42	16.457	35.271	25.851	236.81	.504	.521
43	16.479	35.289	25.860	237.56	.497	.514

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	16.484	35.289	25.859	237.41	.483	.515
45	16.476	35.288	25.860	234.77	.454	.510
46	16.479	35.298	25.867	232.16	.427	.510
47	16.473	35.313	25.880	236.05	.536	.511
48	16.466	35.321	25.887	234.53	.439	.507
49	16.461	35.335	25.900	232.12	.428	.505
50	16.463	35.349	25.910	231.47	.374	.502
52	16.135	35.295	25.945	228.61	.374	.488
54	15.635	35.215	25.997	225.47	.243	.474
56	14.894	35.178	26.133	220.59	.222	.471
58	14.899	35.296	26.223	209.72	.225	.463
60	14.722	35.352	26.305	206.93	.175	.460
62	14.709	35.353	26.309	198.40	.219	.459
64	14.676	35.354	26.316	199.87	.160	.458
66	14.696	35.396	26.345	198.90	.157	.459
68	14.732	35.432	26.364	198.75	.149	.459
70	14.738	35.432	26.363	196.55	.147	.456
72	14.656	35.430	26.380	210.13	.150	.456
74	14.584	35.407	26.377	194.57	.152	.456
76	14.437	35.437	26.432	193.70	.140	.456
78	14.369	35.431	26.442	193.88	.134	.455
80	14.270	35.455	26.482	192.86	.121	.456
82	14.246	35.470	26.499	191.88	.131	.454
84	14.210	35.519	26.544	190.08	.132	.453
86	14.216	35.529	26.551	186.89	.129	.454
88	14.215	35.555	26.571	184.26	.124	.453
90	14.251	35.609	26.606	180.20	.128	.449
92	14.216	35.613	26.616	179.50	.116	.451
94	14.036	35.601	26.645	180.14	.105	.451
96	13.871	35.615	26.690	178.58	.108	.450
98	13.829	35.632	26.712	176.98	.099	.450
100	13.645	35.610	26.734	176.65	.100	.450
102	13.593	35.640	26.768	176.84	.091	.449
104	13.592	35.642	26.770	175.21	.089	.448
106	13.550	35.639	26.776	174.80	.088	.447
108	13.385	35.636	26.808	173.08	.084	.446
110	13.372	35.666	26.834	172.64	.075	.445
112	13.371	35.687	26.850	171.40	.076	.445
114	13.371	35.705	26.864	168.81	.075	.444
116	13.319	35.697	26.869	162.69	.074	.444
118	13.224	35.685	26.879	161.51	.069	.444
120	13.177	35.683	26.887	162.06	.071	.444
122	13.094	35.668	26.892	159.54	.069	.444
124	13.114	35.694	26.908	157.30	.069	.444
126	13.069	35.679	26.906	154.59	.067	.442
128	12.948	35.661	26.916	155.60	.070	.443
130	12.868	35.651	26.925	154.70	.070	.443
132	12.818	35.642	26.928	155.98	.068	.444
134	12.771	35.631	26.929	155.91	.068	.444
136	12.705	35.611	26.926	155.63	.070	.445
138	12.469	35.561	26.934	154.21	.066	.445

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	12.402	35.573	26.957	157.83	.071	.444
142	12.386	35.566	26.954	157.65	.068	.444
144	12.222	35.534	26.962	159.45	.068	.444
146	12.101	35.529	26.982	159.05	.067	.445
148	12.080	35.530	26.986	157.10	.069	.659
150	12.071	35.529	26.987	155.74	.053	.447
155	12.018	35.520	26.991	154.08	.064	.445
160	11.792	35.479	27.002	152.90	.067	.446
165	11.679	35.482	27.026	150.27	.066	.447
170	11.610	35.467	27.027	150.28	.074	.448
175	11.571	35.467	27.034	149.13	.068	.448
180	11.488	35.455	27.040	149.53	.066	.456
185	11.431	35.447	27.045	148.54	.069	.448
190	11.202	35.419	27.066	147.46	.073	.449
195	11.151	35.414	27.071	146.10	.067	.449
200	10.900	35.386	27.095	145.61	.066	.447
205	10.752	35.365	27.105	145.88	.059	.447
210	10.642	35.343	27.108	142.77	.069	.448
215	10.479	35.327	27.124	142.23	.068	.448
220	10.272	35.295	27.136	144.19	.067	.449
225	10.131	35.295	27.160	144.98	.064	.450
230	10.042	35.286	27.169	144.50	.065	.450
235	9.941	35.263	27.168	142.41	.068	.451
240	9.707	35.244	27.193	145.70	.067	.453
245	9.649	35.248	27.206	144.58	.066	.456
250	9.392	35.218	27.225	147.05	.069	.454
255	9.286	35.212	27.238	147.24	.067	.454
260	9.128	35.189	27.245	149.37	.065	.461
265	8.966	35.191	27.274	149.81	.068	.462
270	8.778	35.170	27.287	151.40	.071	.465
275	8.641	35.161	27.302	154.63	.066	.467
280	8.564	35.154	27.308	157.32	.069	.470
285	8.412	35.141	27.322	158.87	.064	.466
290	8.202	35.121	27.339	160.46	.067	.474
295	8.057	35.123	27.362	165.91	.065	.479
300	7.852	35.104	27.378	171.02	.068	.483
310	7.798	35.114	27.394	170.49	.069	.491
320	7.764	35.110	27.396	170.57	.070	.499
327	7.599	35.095	27.408	173.49	.071	.496
328	7.522	35.074	27.403	176.79	.069	.495
329	7.462	35.081	27.417	176.68	.070	.495
330	7.418	35.084	27.426	176.53	.073	.495
331	7.368	35.085	27.434	181.73	.072	.498
332	7.325	35.084	27.439	181.89	.070	.499
333	7.322	35.090	27.444	180.62	.072	.499
334	7.309	35.085	27.442	181.74	.071	.501
335	7.308	35.089	27.446	182.96	.070	.503
336	7.305	35.087	27.445	184.68	.069	.505
337	7.300	35.091	27.448	184.54	.072	.503
338	7.302	35.089	27.447	182.46	.070	.505
339	7.305	35.090	27.447	180.60	.072	.508

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
340	7.305	35.089	27.446	179.40	.069	.510

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	12 NOV 88	0545	37 36.03	74 8.40	1061	1059

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	15.446	34.780	25.704	263.32	.869	.697
5	15.451	34.780	25.703	261.39	.938	.697
6	15.479	34.796	25.709	258.24	.966	.697
7	15.491	34.797	25.708	256.78	.952	.697
8	15.494	34.798	25.707	254.68	.961	.696
9	15.512	34.809	25.712	254.52	.955	.697
10	15.527	34.820	25.717	255.39	.953	.697
11	15.546	34.823	25.715	252.08	1.030	.695
12	15.553	34.832	25.721	250.38	.999	.695
13	15.557	34.833	25.720	249.44	.960	.694
14	15.591	34.869	25.740	248.34	1.012	.693
15	15.631	34.889	25.747	247.78	.968	.693
16	15.731	34.964	25.782	248.66	1.053	.688
17	15.821	34.997	25.787	249.68	1.069	.685
18	15.853	35.001	25.783	250.48	1.075	.686
19	15.887	35.030	25.797	249.14	1.041	.685
20	15.947	35.071	25.816	250.79	1.055	.684
21	16.019	35.101	25.822	251.65	1.086	.677
22	16.053	35.113	25.823	251.62	1.218	.683
23	16.065	35.115	25.822	250.94	1.180	.679
24	16.099	35.141	25.834	251.27	1.094	.675
25	16.141	35.159	25.838	249.76	1.082	.672
26	16.153	35.157	25.834	247.64	1.082	.672
27	16.159	35.159	25.834	247.76	1.108	.672
28	16.177	35.159	25.830	247.36	1.152	.670
29	16.189	35.178	25.842	246.26	1.158	.669
30	16.214	35.190	25.846	246.70	1.117	.667
31	16.224	35.191	25.844	247.13	1.158	.669
32	16.251	35.211	25.853	246.69	1.123	.666
33	16.257	35.201	25.844	246.02	1.186	.666
34	16.262	35.209	25.849	246.63	1.166	.666
35	16.271	35.212	25.849	247.90	1.147	.665
36	16.277	35.212	25.848	249.11	1.163	.664
37	16.278	35.215	25.850	249.60	1.121	.660
38	16.284	35.219	25.852	249.13	1.134	.658
39	16.286	35.219	25.851	249.15	1.125	.657
40	16.284	35.218	25.851	251.67	1.123	.657
41	16.282	35.221	25.853	249.13	1.055	.656
42	16.376	35.317	25.906	242.97	1.100	.614
43	16.414	35.332	25.908	241.52	.933	.577
44	16.400	35.344	25.920	240.57	.756	.571

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	16.395	35.352	25.928	240.10	.664	.562
46	16.392	35.360	25.935	237.45	.613	.562
47	16.407	35.373	25.941	234.29	.643	.553
48	16.419	35.385	25.947	230.83	.640	.547
49	16.426	35.399	25.957	227.52	.581	.527
50	16.376	35.403	25.972	226.39	.508	.516
52	16.234	35.440	26.033	225.07	.387	.499
54	16.183	35.467	26.066	222.40	.363	.493
56	16.144	35.487	26.090	220.45	.353	.487
58	16.060	35.520	26.135	218.77	.280	.482
60	15.991	35.546	26.171	213.36	.269	.480
62	15.818	35.592	26.246	208.78	.262	.471
64	15.470	35.670	26.385	201.94	.200	.463
66	15.163	35.705	26.480	195.53	.182	.457
68	15.031	35.708	26.512	190.92	.162	.454
70	14.879	35.721	26.555	188.42	.155	.452
72	14.785	35.721	26.576	188.14	.162	.450
74	14.447	35.674	26.613	189.47	.133	.446
76	14.374	35.711	26.657	189.64	.118	.446
78	14.350	35.717	26.668	187.91	.108	.445
80	14.298	35.713	26.676	186.37	.103	.439
82	14.181	35.693	26.685	188.06	.102	.445
84	14.136	35.715	26.712	189.31	.098	.444
86	14.190	35.775	26.747	185.20	.100	.443
88	14.197	35.759	26.733	183.31	.089	.441
90	13.956	35.717	26.751	182.47	.082	.441
92	13.940	35.740	26.773	181.34	.077	.441
94	13.894	35.730	26.775	180.70	.075	.441
96	13.813	35.706	26.773	179.46	.077	.441
98	13.748	35.707	26.787	177.71	.070	.442
100	13.673	35.694	26.793	178.84	.076	.442
102	13.574	35.673	26.797	177.92	.076	.442
104	13.424	35.633	26.798	177.99	.075	.443
106	13.289	35.628	26.821	179.13	.074	.443
108	13.260	35.638	26.835	179.99	.072	.443
110	13.219	35.623	26.832	180.65	.071	.442
112	13.156	35.622	26.844	179.09	.069	.442
114	13.145	35.636	26.857	176.64	.073	.441
116	13.138	35.639	26.860	175.65	.068	.441
118	13.023	35.614	26.865	173.57	.065	.440
120	13.008	35.642	26.889	172.69	.067	.440
122	12.964	35.618	26.880	170.51	.067	.440
124	12.861	35.617	26.900	169.50	.065	.440
126	12.817	35.621	26.911	167.39	.067	.440
128	12.723	35.596	26.911	165.01	.059	.439
130	12.639	35.604	26.934	164.14	.064	.439
132	12.592	35.593	26.935	162.06	.063	.439
134	12.554	35.603	26.950	160.94	.065	.439
136	12.534	35.605	26.956	160.26	.066	.439
138	12.435	35.574	26.951	159.43	.062	.439
140	12.411	35.586	26.965	158.20	.064	.440

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
142	12.368	35.573	26.964	156.88	.066	.439
144	12.246	35.555	26.973	156.01	.066	.439
146	12.179	35.550	26.982	154.15	.061	.439
148	12.116	35.547	26.993	153.13	.065	.440
150	12.062	35.540	26.998	152.39	.065	.439
155	11.959	35.520	27.002	150.32	.062	.440
160	11.807	35.511	27.023	148.59	.064	.440
165	11.725	35.495	27.027	149.81	.066	.439
170	11.715	35.497	27.030	149.15	.064	.439
175	11.656	35.484	27.031	147.46	.063	.440
180	11.501	35.453	27.037	146.35	.066	.439
185	11.252	35.416	27.054	146.45	.065	.439
190	11.030	35.401	27.083	148.00	.065	.439
195	10.871	35.360	27.080	146.72	.067	.440
200	10.682	35.355	27.110	146.37	.067	.442
205	10.466	35.332	27.131	146.90	.067	.440
210	10.449	35.330	27.132	145.81	.066	.440
215	10.354	35.312	27.135	146.27	.062	.440
220	10.196	35.286	27.142	145.26	.068	.441
225	10.034	35.272	27.159	144.88	.066	.441
230	9.917	35.265	27.173	146.19	.064	.441
235	9.821	35.243	27.173	147.11	.063	.441
240	9.738	35.251	27.193	146.47	.067	.440
245	9.635	35.224	27.189	148.50	.063	.440
250	9.410	35.207	27.214	149.79	.062	.439
255	9.291	35.197	27.226	150.36	.063	.440
260	9.231	35.199	27.237	149.53	.063	.440
265	9.177	35.193	27.241	149.83	.074	.441
270	8.982	35.167	27.252	150.53	.063	.440
275	8.876	35.163	27.266	152.98	.064	.440
280	8.827	35.161	27.272	154.59	.061	.441
285	8.732	35.153	27.281	154.10	.062	.439
290	8.636	35.145	27.290	157.58	.065	.443
295	8.539	35.145	27.305	159.99	.064	.440
300	8.452	35.143	27.317	160.55	.062	.441
310	8.244	35.127	27.337	162.10	.065	.441
320	8.117	35.117	27.348	166.64	.062	.442
330	8.030	35.118	27.362	167.54	.059	.441
340	7.932	35.107	27.368	167.57	.059	.442
350	7.746	35.098	27.389	170.66	.064	.444
360	7.556	35.094	27.414	177.92	.061	.444
370	7.415	35.090	27.431	181.93	.065	.444
380	7.307	35.086	27.444	184.04	.058	.445
390	7.087	35.072	27.464	189.64	.058	.451
400	6.925	35.068	27.483	193.87	.058	.454
410	6.887	35.071	27.491	193.47	.060	.453
420	6.757	35.063	27.502	198.39	.059	.452
430	6.515	35.057	27.531	204.59	.058	.454
440	6.451	35.056	27.538	207.86	.057	.453
450	6.285	35.051	27.556	212.17	.057	.454
460	6.143	35.042	27.567	215.62	.054	.454

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
470	6.080	35.049	27.581	220.36	.055	.445
480	5.967	35.035	27.585	223.69	.057	.444
490	5.805	35.040	27.610	226.98	.059	.445
500	5.749	35.040	27.616	229.85	.052	.445
510	5.681	35.038	27.624	231.87	.053	.443
520	5.625	35.036	27.628	233.77	.057	.441
530	5.580	35.036	27.634	233.97	.054	.445
540	5.529	35.033	27.638	234.23	.054	.445
550	5.506	35.032	27.640	234.2	.056	.445
560	5.398	35.028	27.651	237.31	.055	.442
570	5.370	35.026	27.652	237.06	.055	.447
580	5.339	35.026	27.656	238.17	.053	.442
590	5.317	35.027	27.659	239.91	.056	.441
600	5.265	35.024	27.663	240.88	.054	.443
610	5.231	35.026	27.668	274.47	.055	.434
620	5.146	35.021	27.675	234.33	.056	.437
630	5.093	35.019	27.680	249.50	.055	.440
640	5.064	35.018	27.682	251.29	.054	.437
650	5.041	35.019	27.686	255.62	.053	.438
660	4.967	35.014	27.691	257.02	.051	.437
670	4.921	35.011	27.693	255.23	.053	.440
680	4.899	35.010	27.696	258.25	.052	.438
690	4.863	35.007	27.697	258.95	.055	.441
700	4.839	35.003	27.696	254.51	.051	.445
710	4.790	35.002	27.701	259.30	.049	.446
720	4.773	35.003	27.704	259.57	.052	.445
730	4.752	35.001	27.705	259.01	.051	.445
740	4.717	34.998	27.706	260.23	.051	.444
750	4.682	34.998	27.710	262.69	.053	.442
760	4.639	34.991	27.710	264.87	.050	.442
770	4.600	34.991	27.714	265.26	.053	.443
780	4.586	34.993	27.717	265.45	.049	.448
790	4.564	34.991	27.718	261.35	.054	.451
800	4.555	34.992	27.720	263.94	.052	.452
810	4.548	34.990	27.719	266.18	.051	.451
820	4.546	34.991	27.720	266.54	.050	.446
830	4.522	34.989	27.721	265.03	.052	.444
840	4.507	34.995	27.727	266.57	.051	.445
850	4.493	34.988	27.724	267.01	.050	.444
860	4.470	34.987	27.726	265.58	.048	.446
870	4.464	34.989	27.727	266.37	.053	.445
880	4.457	34.987	27.727	263.74	.054	.446
890	4.444	34.987	27.728	267.26	.054	.450
900	4.428	34.987	27.730	266.34	.050	.454
910	4.405	34.987	27.733	268.36	.050	.452
920	4.393	34.986	27.733	267.27	.044	.452
930	4.380	34.986	27.734	269.20	.050	.453
940	4.361	34.984	27.735	267.60	.055	.455
950	4.352	34.985	27.737	268.10	.050	.454
960	4.345	34.985	27.737	269.32	.047	.454
970	4.332	34.984	27.738	266.05	.051	.456

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
980	4.326	34.983	27.738	268.44	.048	.459
990	4.313	34.982	27.739	269.09	.054	.462
1000	4.302	34.983	27.741	267.81	.052	.463
1010	4.285	34.982	27.741	269.04	.049	.460
1020	4.276	34.983	27.743	269.98	.046	.457
1030	4.275	34.982	27.743	269.20	.050	.451
1040	4.233	34.980	27.746	270.31	.050	.454
1046	4.212	34.979	27.747	271.12	.054	.460
1047	4.210	34.980	27.748	272.07	.052	.460
1048	4.208	34.980	27.749	271.07	.051	.461
1049	4.206	34.980	27.748	272.09	.049	.463
1050	4.205	34.979	27.748	272.06	.052	.463
1051	4.203	34.980	27.749	271.01	.050	.463
1052	4.203	34.980	27.749	271.86	.049	.464
1053	4.202	34.979	27.748	270.77	.050	.464
1054	4.201	34.979	27.748	270.64	.051	.467
1055	4.197	34.978	27.748	270.72	.049	.466
1056	4.192	34.978	27.748	270.96	.052	.463
1057	4.174	34.973	27.746	271.41	.052	.460
1058	4.162	34.976	27.750	270.70	.050	.462
1059	4.162	34.979	27.752	271.90	.052	.462
1060	4.159	34.978	27.752	272.18	.052	.462

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	12 NOV 88	1318	37 32.56	74 26.20	92	90

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.604	33.438	25.063	273.56	1.096	.765
3	13.608	33.436	25.060	273.85	1.046	.760
4	13.610	33.438	25.061	272.49	1.045	.762
5	13.613	33.441	25.063	271.78	1.033	.759
6	13.613	33.442	25.064	267.67	1.043	.760
7	13.613	33.443	25.065	269.44	1.080	.759
8	13.618	33.459	25.076	269.17	1.051	.756
9	13.620	33.460	25.076	270.70	1.052	.754
10	13.627	33.490	25.098	270.94	1.408	.750
11	13.630	33.519	25.119	272.83	1.159	.747
12	13.635	33.537	25.133	274.33	1.238	.745
13	13.643	33.551	25.142	273.89	1.322	.745
14	13.650	33.561	25.148	271.82	1.374	.737
15	13.659	33.577	25.158	271.14	1.051	.732
16	13.659	33.578	25.159	270.57	.966	.726
17	13.651	33.584	25.165	270.67	.977	.724
18	13.649	33.588	25.169	270.60	.963	.722
19	13.653	33.591	25.171	270.93	.970	.722
20	13.655	33.592	25.171	272.20	.969	.723
21	13.661	33.600	25.176	272.59	.972	.720
22	13.667	33.606	25.179	272.22	.938	.716
23	13.671	33.610	25.182	270.87	.952	.706
24	13.675	33.616	25.185	269.97	.979	.699
25	13.671	33.620	25.189	269.99	.973	.697
26	13.681	33.634	25.198	268.91	.997	.683
27	13.687	33.641	25.203	268.25	.872	.686
28	13.709	33.666	25.217	267.74	1.048	.669
29	13.704	33.682	25.230	266.79	1.260	.662
30	13.677	33.713	25.260	264.67	.844	.637
31	13.481	33.718	25.304	262.27	.657	.593
32	13.242	33.743	25.372	259.21	.570	.565
33	12.942	33.812	25.485	251.52	.555	.544
34	12.543	33.872	25.609	245.01	.419	.510
35	12.369	33.953	25.706	238.46	.273	.606
36	12.233	33.989	25.760	230.21	.198	.489
37	12.158	34.028	25.805	226.13	.168	.484
38	12.093	34.039	25.826	222.89	.163	.482
39	12.080	34.055	25.840	222.63	.172	.481
40	12.069	34.061	25.848	223.40	.162	.480
41	12.036	34.061	25.854	219.90	.166	.480
42	11.980	34.089	25.886	219.98	.164	.480

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	11.978	34.200	25.972	216.27	.158	.479
44	12.083	34.419	26.123	212.63	.156	.480
45	12.249	34.580	26.216	209.74	.143	.485
46	12.420	34.709	26.282	204.54	.126	.485
47	12.513	34.788	26.326	200.48	.128	.478
48	12.552	34.804	26.330	198.78	.131	.476
49	12.599	34.817	26.331	196.62	.126	.480
50	12.677	34.848	26.340	196.30	.137	.477
52	12.940	34.961	26.375	195.48	.134	.467
54	13.073	35.043	26.412	195.81	.125	.458
56	13.128	35.097	26.443	194.94	.120	.458
58	13.049	35.094	26.457	193.14	.115	.458
60	12.978	35.182	26.539	190.58	.109	.457
62	12.956	35.193	26.552	188.13	.102	.454
64	12.933	35.208	26.568	186.54	.101	.454
66	12.919	35.238	26.595	186.04	.098	.457
68	12.923	35.272	26.620	185.06	.096	.454
70	12.894	35.278	26.630	183.65	.150	.457
72	12.873	35.285	26.640	183.33	.097	.457
74	12.797	35.307	26.672	183.43	.101	.481
76	12.746	35.334	26.704	180.73	.101	.499
77	12.722	35.343	26.715	180.44	.105	.510
78	12.717	35.346	26.719	179.44	.110	.512
79	12.716	35.348	26.720	177.12	.111	.512
80	12.715	35.348	26.721	176.52	.120	.514
81	12.715	35.348	26.720	174.69	.110	.515
82	12.715	35.348	26.721	175.86	.108	.514
83	12.715	35.348	26.720	175.29	.104	.514
84	12.714	35.348	26.721	175.02	.107	.515
85	12.708	35.351	26.724	176.02	.107	.516
86	12.703	35.353	26.727	176.33	.112	.519
87	12.698	35.355	26.729	176.61	.106	.522
88	12.689	35.358	26.733	176.31	.118	.530
89	12.684	35.360	26.736	175.23	.117	.538
90	12.684	35.361	26.736	174.51	.133	.540

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	12 NOV 88	2330	36 50.50	74 20.00	1962	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.557	33.834	25.169	-------	1.066	.711
3	14.556	33.833	25.169	271.97	1.053	.709
4	14.551	33.832	25.169	272.49	.841	.707
5	14.550	33.832	25.169	272.76	.806	.705
6	14.556	33.838	25.173	273.15	.788	.708
7	14.559	33.836	25.171	272.00	.854	.710
8	14.558	33.834	25.169	271.62	1.235	.706
9	14.555	33.834	25.170	270.52	.915	.706
10	14.556	33.834	25.169	267.62	.872	.706
11	14.551	33.832	25.169	269.79	.864	.706
12	14.552	33.835	25.171	270.18	.860	.705
13	14.566	33.839	25.171	269.86	1.053	.707
14	14.566	33.838	25.171	269.13	1.094	.707
15	14.565	33.836	25.169	269.77	.930	.707
16	14.563	33.839	25.172	271.01	.896	.708
17	14.561	33.835	25.169	273.03	.871	.706
18	14.560	33.835	25.170	274.71	.881	.705
19	14.561	33.833	25.168	274.95	.904	.705
20	14.562	33.831	25.166	274.41	.881	.708
21	14.561	33.834	25.169	274.26	.879	.706
22	14.560	33.836	25.170	274.53	.859	.708
23	14.559	33.836	25.171	275.96	.866	.706
24	14.562	33.837	25.170	276.60	.877	.709
25	14.563	33.836	25.170	276.82	.896	.707
26	14.563	33.854	25.184	276.55	.910	.717
27	14.564	33.837	25.170	276.56	.951	.708
28	14.568	33.837	25.170	275.81	.897	.706
29	14.566	33.839	25.171	275.45	.882	.707
30	14.567	33.838	25.171	275.30	.896	.708
31	14.568	33.839	25.171	275.84	.909	.706
32	14.568	33.839	25.170	276.92	.905	.705
33	14.567	33.837	25.170	276.03	.887	.707
34	14.564	33.838	25.171	275.19	.867	.710
35	14.564	33.838	25.171	274.53	.925	.706
36	14.564	33.839	25.171	274.96	.944	.704
37	14.567	33.842	25.173	275.78	.889	.702
38	14.570	33.847	25.177	275.81	.890	.694
39	14.572	33.853	25.181	277.13	.885	.688
40	14.565	33.868	25.194	277.12	.836	.664
41	14.560	33.877	25.202	276.30	.805	.653
42	14.558	33.899	25.219	275.32	.866	.634

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.570	33.931	25.242	273.60	.962	.617
44	14.648	34.082	25.341	270.82	1.153	.593
45	14.781	34.279	25.464	268.41	.926	.555
46	14.956	34.435	25.547	264.42	.656	.549
47	15.115	34.492	25.556	260.52	.826	.531
48	15.270	34.635	25.632	256.07	.626	.520
49	15.406	34.756	25.694	251.43	.446	.485
50	15.366	34.744	25.694	248.74	.337	.489
52	14.925	34.679	25.742	247.11	.219	.476
54	14.752	34.724	25.814	240.14	.250	.476
56	13.998	34.611	25.888	235.04	.172	.471
58	13.707	34.590	25.932	230.63	.177	.470
60	13.478	34.589	25.979	225.06	.173	.465
62	13.142	34.568	26.030	219.59	.158	.464
64	12.850	34.631	26.137	217.53	.148	.470
66	13.016	34.808	26.241	212.48	.137	.464
68	13.149	35.019	26.379	208.00	.132	.466
70	13.755	35.393	26.543	199.56	.139	.566
72	14.355	35.488	26.489	191.74	.123	.454
74	14.357	35.584	26.563	189.95	.112	.453
76	14.352	35.646	26.613	186.19	.112	.453
78	14.373	35.685	26.638	183.67	.104	.452
80	14.388	35.694	26.642	179.21	.103	.451
82	14.393	35.700	26.645	177.72	.097	.454
84	14.374	35.696	26.646	179.48	.102	.450
86	14.357	35.694	26.648	178.43	.099	.452
88	14.318	35.689	26.652	178.98	.103	.451
90	14.237	35.678	26.662	178.39	.091	.451
92	14.129	35.665	26.674	180.68	.089	.450
94	13.936	35.621	26.682	182.55	.097	.450
96	13.645	35.575	26.707	184.67	.092	.451
98	13.515	35.552	26.716	187.76	.087	.452
100	13.371	35.542	26.738	190.20	.086	.451
102	13.261	35.553	26.769	191.24	.077	.451
104	13.180	35.552	26.785	190.32	.078	.450
106	13.176	35.583	26.810	186.81	.077	.450
108	13.065	35.540	26.799	184.99	.068	.454
110	12.996	35.566	26.833	182.16	.080	.454
112	13.068	35.610	26.852	176.27	.065	.451
114	13.042	35.604	26.853	172.88	.080	.449
116	12.931	35.567	26.847	171.21	.073	.451
118	12.839	35.572	26.869	170.82	.066	.451
120	12.755	35.565	26.881	169.35	.067	.452
122	12.642	35.556	26.896	167.47	.067	.452
124	12.599	35.556	26.905	164.33	.063	.452
126	12.563	35.552	26.909	163.41	.063	.451
128	12.483	35.545	26.919	162.91	.064	.452
130	12.441	35.549	26.931	161.83	.061	.452
132	12.341	35.529	26.934	161.01	.064	.453
134	12.243	35.517	26.944	160.32	.063	.453
136	12.148	35.511	26.958	158.38	.064	.453

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.106	35.515	26.970	156.99	.056	.453
140	12.099	35.516	26.972	154.34	.059	.453
142	12.075	35.510	26.972	153.43	.067	.453
144	11.942	35.485	26.978	153.67	.064	.453
146	11.915	35.496	26.992	153.87	.060	.452
148	11.890	35.492	26.993	152.55	.057	.452
150	11.819	35.466	26.987	152.34	.060	.451
155	11.498	35.445	27.031	151.87	.053	.451
160	11.380	35.431	27.042	151.11	.062	.450
165	11.250	35.418	27.056	150.14	.061	.452
170	11.100	35.405	27.073	149.16	.056	.449
175	11.030	35.395	27.078	148.96	.065	.451
180	10.928	35.384	27.088	147.66	.061	.453
185	10.814	35.371	27.099	146.86	.065	.454
190	10.625	35.344	27.111	146.59	.064	.452
195	10.528	35.340	27.126	148.31	.059	.453
200	10.463	35.332	27.131	145.44	.057	.452
205	10.368	35.323	27.141	145.59	.059	.447
210	10.353	35.321	27.142	144.33	.059	.446
215	10.256	35.308	27.149	145.29	.056	.446
220	10.129	35.292	27.158	146.32	.055	.447
225	10.001	35.281	27.172	145.64	.052	.445
230	9.928	35.277	27.181	145.99	.054	.445
235	9.848	35.262	27.183	145.77	.055	.444
240	9.691	35.233	27.187	146.53	.055	.444
245	9.572	35.225	27.200	144.90	.054	.443
250	9.427	35.212	27.215	145.76	.055	.445
255	9.323	35.205	27.227	147.08	.058	.443
260	9.283	35.196	27.226	146.38	.055	.443
265	9.180	35.187	27.236	146.74	.054	.443
270	9.077	35.176	27.244	147.65	.055	.444
275	8.936	35.140	27.238	147.09	.055	.443
280	8.838	35.135	27.251	146.01	.055	.445
285	8.714	35.124	27.261	147.09	.056	.445
290	8.666	35.117	27.264	147.64	.056	.445
295	8.463	35.096	27.279	147.40	.055	.445
300	8.427	35.088	27.278	146.98	.052	.445
310	8.234	35.074	27.297	146.57	.057	.448
320	8.199	35.092	27.316	150.02	.056	.447
330	8.059	35.086	27.333	154.41	.053	.446
340	7.964	35.100	27.353	159.93	.053	.445
350	7.843	35.099	27.375	162.21	.054	.445
360	7.722	35.108	27.400	169.13	.048	.444
370	7.545	35.100	27.420	174.09	.051	.443
380	7.367	35.094	27.442	181.32	.051	.439
390	7.289	35.095	27.453	186.01	.048	.443
400	7.105	35.085	27.472	187.99	.049	.444
410	6.870	35.071	27.493	190.69	.048	.443
420	6.677	35.053	27.506	198.16	.050	.444
430	6.507	35.049	27.525	203.82	.046	.443
440	6.380	35.057	27.548	206.86	.047	.442

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.279	35.050	27.557	211.46	.050	.441
460	6.139	35.039	27.566	213.56	.049	.442
470	6.074	35.040	27.575	215.77	.043	.442
480	5.971	35.037	27.586	219.63	.046	.441
490	5.853	35.028	27.594	222.13	.050	.442
500	5.623	35.028	27.623	227.91	.047	.442
510	5.570	35.032	27.632	230.23	.045	.441
520	5.523	35.030	27.636	232.46	.043	.439
530	5.488	35.027	27.638	232.82	.045	.439
540	5.447	35.027	27.643	235.27	.045	.439
550	5.383	35.021	27.646	235.35	.047	.440
560	5.327	35.020	27.652	236.46	.047	.441
570	5.272	35.012	27.653	239.11	.043	.439
580	5.221	35.015	27.661	238.58	.045	.440
590	5.176	35.023	27.673	240.78	.047	.440
600	5.141	35.018	27.673	242.29	.047	.439
610	5.086	35.002	27.667	246.21	.042	.439

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
13	13 NOV 88	1740	37 52.61	74 43.17	45	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	14.218	33.270	24.805	177.12	1.718	.931
4	14.219	33.269	24.805	439.30	1.874	.927
5	14.219	33.269	24.805	587.71	1.738	.929
6	14.218	33.269	24.805	285.00	1.702	.929
7	14.215	33.269	24.805	255.66	1.934	.927
8	14.207	33.269	24.807	293.00	1.901	.922
9	14.207	33.268	24.807	297.57	1.912	.929
10	14.203	33.269	24.808	297.35	2.003	.926
11	14.204	33.268	24.807	294.65	1.818	.921
12	14.200	33.270	24.809	289.28	1.665	.921
13	14.200	33.270	24.809	285.75	1.666	.923
14	14.200	33.270	24.809	281.88	1.883	.921
15	14.194	33.268	24.809	279.65	2.302	.913
16	14.190	33.269	24.811	279.94	1.734	.913
17	14.188	33.270	24.812	280.44	1.652	.905
18	14.186	33.269	24.812	277.78	1.665	.900
19	14.186	33.269	24.811	276.25	1.958	.904
20	14.181	33.268	24.812	278.07	1.794	.895
21	14.179	33.268	24.813	277.91	1.843	.890
22	14.181	33.268	24.812	275.02	1.875	.890
23	14.178	33.267	24.811	273.10	1.825	.891
24	14.178	33.266	24.811	276.36	1.837	.884
25	14.159	33.259	24.810	278.01	2.152	.868
26	14.118	33.256	24.816	273.68	1.549	.844
27	14.065	33.248	24.821	267.17	1.431	.834
28	13.915	33.223	24.832	261.97	2.109	.772
29	13.749	33.222	24.866	260.66	1.982	.736
30	13.666	33.236	24.893	260.25	1.141	.712
31	13.563	33.225	24.906	255.09	1.122	.708
32	13.207	33.280	25.020	252.43	1.080	.672
33	12.997	33.355	25.120	244.46	1.501	.687
34	12.992	33.384	25.143	236.48	1.400	.707
35	12.986	33.382	25.143	226.88	1.613	.717
36	12.969	33.395	25.156	226.13	1.433	.721
37	12.972	33.394	25.155	224.49	1.238	.726
38	12.964	33.396	25.158	226.32	1.281	.729

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	15 NOV 88	0210	36 52.40	74 41.52	91	-----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.320	33.743	25.149	-------	.867	.711
3	14.321	33.742	25.149	254.89	.770	.709
4	14.320	33.741	25.148	256.40	.765	.708
5	14.319	33.742	25.149	255.91	.738	.709
6	14.320	33.741	25.148	254.24	.738	.706
7	14.319	33.741	25.148	254.35	.735	.708
8	14.320	33.741	25.148	254.82	.768	.710
9	14.320	33.742	25.148	255.51	.791	.710
10	14.320	33.741	25.148	255.16	.853	.707
11	14.320	33.742	25.148	254.50	.843	.707
12	14.316	33.743	25.150	254.38	.875	.706
13	14.312	33.744	25.152	254.67	.897	.707
14	14.310	33.744	25.152	256.24	.882	.708
15	14.307	33.747	25.155	257.25	1.010	.710
16	14.301	33.753	25.161	257.39	.978	.697
17	14.298	33.756	25.164	259.17	.953	.696
18	14.299	33.758	25.166	255.92	1.013	.685
19	14.298	33.760	25.167	254.58	1.479	.682
20	14.300	33.762	25.168	254.64	1.150	.692
21	14.305	33.771	25.174	254.72	.983	.672
22	14.313	33.779	25.179	255.60	.991	.648
23	14.332	33.800	25.191	253.63	1.245	.614
24	14.330	33.799	25.190	252.58	.820	.581
25	14.327	33.803	25.194	251.23	.634	.578
26	14.375	33.862	25.229	249.11	.525	.570
27	14.414	33.894	25.246	245.83	.773	.551
28	14.438	33.923	25.264	243.04	.696	.547
29	14.504	34.000	25.309	239.31	.670	.544
30	14.595	34.094	25.362	237.27	.488	.529
31	14.706	34.197	25.417	236.19	.654	.521
32	14.823	34.366	25.501	233.65	.649	.510
33	15.055	34.434	25.524	231.87	.407	.516
34	15.129	34.490	25.551	230.97	.259	.499
35	15.186	34.546	25.582	230.10	.248	.491
36	15.256	34.622	25.625	229.75	.226	.486
37	15.272	34.639	25.635	231.03	.225	.483
38	15.279	34.648	25.640	229.86	.223	.482
39	15.305	34.670	25.651	229.15	.195	.479
40	15.326	34.687	25.660	229.09	.189	.478
41	15.336	34.702	25.669	229.08	.186	.477
42	15.341	34.708	25.673	226.82	.182	.476

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.359	34.726	25.682	224.01	.178	.475
44	15.381	34.746	25.693	223.23	.321	.475
45	15.409	34.763	25.700	222.96	.247	.474
46	15.436	34.777	25.704	223.15	.183	.475
47	15.457	34.791	25.710	222.54	.173	.473
48	15.470	34.799	25.714	222.86	.176	.474
49	15.466	34.802	25.717	223.26	.176	.474
50	15.458	34.807	25.722	223.27	.574	.478
52	15.435	34.813	25.732	225.21	.332	.493
54	15.418	34.815	25.738	227.07	.324	.503
56	15.414	34.818	25.741	230.07	.344	.516
58	15.411	34.822	25.745	233.17	.372	.516
60	15.404	34.834	25.755	234.12	.389	.524
62	15.387	34.850	25.772	234.33	.412	.523
64	15.376	34.856	25.778	235.47	.421	.522
66	15.513	34.948	25.819	234.20	.362	.510
68	15.576	34.946	25.803	230.14	.288	.501
70	15.448	34.921	25.813	228.39	.310	.509
72	15.335	34.924	25.840	230.29	.451	.516
74	15.209	34.892	25.844	231.35	.490	.516
76	15.069	34.857	25.848	229.32	.356	.509
77	14.775	34.798	25.866	229.17	.344	.511
78	14.141	34.658	25.894	225.92	.277	.485
79	13.936	34.655	25.934	225.24	.228	.471
80	13.931	34.717	25.984	223.53	.209	.466
81	14.146	34.867	26.054	219.46	.165	.462
82	14.381	34.893	26.025	213.56	.150	.464
83	14.652	35.066	26.100	207.59	.128	.460
84	14.931	35.229	26.164	204.58	.127	.459
85	15.043	35.345	26.230	202.81	.132	.463
86	14.636	35.295	26.280	191.51	.142	.505
87	14.468	35.282	26.306	182.77	.148	.519
88	14.401	35.282	26.321	180.04	.140	.528
89	14.393	35.285	26.324	180.80	.135	.529
90	14.387	35.284	26.325	182.04	.144	.533

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	15 NOV 88	0325	36 59.37	74 40.66	90	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.497	33.755	25.121	259.23	.997	.713
3	14.498	33.754	25.120	264.26	.943	.714
4	14.499	33.755	25.121	255.41	.916	.715
5	14.496	33.755	25.122	259.24	.902	.715
6	14.497	33.756	25.122	263.01	.938	.711
7	14.497	33.755	25.121	259.35	.960	.708
8	14.503	33.762	25.125	259.95	.984	.709
9	14.508	33.766	25.127	258.84	.890	.673
10	14.511	33.773	25.132	257.62	.865	.671
11	14.506	33.782	25.140	250.82	.888	.659
12	14.502	33.787	25.145	248.86	.828	.658
13	14.488	33.804	25.161	250.19	.873	.632
14	14.463	33.836	25.191	249.12	.660	.596
15	14.447	33.859	25.212	242.84	.570	.581
16	14.415	33.899	25.250	238.70	.466	.565
17	14.350	33.958	25.309	235.44	.457	.547
18	14.320	33.981	25.333	234.25	.592	.534
19	14.296	33.999	25.352	235.27	.486	.529
20	14.289	34.005	25.358	233.27	.364	.522
21	14.274	34.017	25.371	235.74	.540	.519
22	14.261	34.027	25.381	240.78	.413	.519
23	14.259	34.028	25.383	241.81	.309	.518
24	14.239	34.048	25.402	244.19	.338	.515
25	14.212	34.082	25.434	229.86	.339	.511
26	14.191	34.109	25.459	229.56	.361	.509
27	14.189	34.112	25.462	226.74	.467	.509
28	14.183	34.126	25.474	230.27	.469	.509
29	14.180	34.133	25.480	231.70	.374	.507
30	14.179	34.130	25.478	230.25	.289	.506
31	14.183	34.136	25.482	230.43	.252	.506
32	14.198	34.148	25.488	232.66	.315	.505
33	14.202	34.151	25.489	232.85	.281	.503
34	14.201	34.146	25.486	230.53	.267	.501
35	14.204	34.146	25.485	230.34	.310	.501
36	14.224	34.162	25.493	232.70	.371	.500
37	14.238	34.190	25.512	231.99	.230	.499
38	14.240	34.183	25.506	229.82	.220	.498
39	14.255	34.198	25.515	229.84	.221	.497
40	14.271	34.246	25.548	231.06	.237	.493
41	14.275	34.274	25.569	228.29	.207	.495
42	14.278	34.276	25.570	225.95	.214	.492

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.258	34.281	25.578	227.39	.227	.492
44	14.025	34.293	25.636	220.04	.270	.491
45	13.981	34.285	25.640	215.01	.257	.491
46	13.969	34.295	25.649	211.15	.231	.491
47	13.913	34.285	25.653	210.60	.218	.494
48	13.801	34.325	25.707	209.78	.198	.495
49	13.760	34.338	25.726	206.36	.210	.492
50	13.711	34.365	25.757	207.09	.182	.494
52	13.684	34.446	25.825	210.58	.167	.481
54	13.679	34.457	25.835	208.04	.160	.478
56	13.540	34.549	25.935	206.13	.152	.469
58	13.413	34.609	26.007	205.12	.141	.467
60	13.398	34.627	26.024	204.42	.138	.469
62	13.355	34.650	26.051	202.78	.130	.470
64	13.342	34.712	26.102	200.81	.143	.470
66	13.388	34.761	26.130	196.61	.146	.467
68	13.558	35.046	26.316	192.67	.127	.469
70	13.590	35.087	26.340	190.18	.116	.476
72	13.585	35.102	26.353	188.00	.127	.485
74	13.491	35.077	26.353	184.66	.130	.497
75	13.490	35.079	26.355	185.26	.126	.499
76	13.453	35.072	26.358	180.06	.126	.503
77	13.449	35.086	26.369	178.59	.132	.509
78	13.430	35.082	26.370	178.06	.132	.512
79	13.403	35.090	26.381	179.31	.127	.514
80	13.332	35.112	26.413	180.01	.138	.534
81	13.326	35.114	26.416	179.72	.137	.539
82	13.325	35.115	26.417	180.12	.140	.540
83	13.324	35.115	26.417	180.15	.138	.539
84	13.320	35.120	26.421	181.28	.135	.542
85	13.315	35.125	26.426	180.45	.144	.546
86	13.316	35.129	26.430	180.43	.147	.549
87	13.320	35.136	26.434	180.06	.167	.550
88	13.332	35.149	26.441	177.93	.170	.550
89	13.335	35.151	26.443	174.53	.143	.552

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	15 NOV 88	0417	37 4.72	74 46.05	100	98

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.242	33.662	25.103	275.15	.999	.789
3	14.248	33.662	25.102	270.92	.982	.791
4	14.250	33.663	25.102	272.13	.873	.791
5	14.253	33.663	25.101	272.80	.873	.791
6	14.258	33.668	25.104	273.34	.900	.793
7	14.261	33.663	25.100	273.81	.880	.793
8	14.257	33.662	25.100	274.91	.895	.792
9	14.262	33.665	25.101	274.60	.921	.796
10	14.266	33.666	25.101	273.85	.950	.792
11	14.267	33.668	25.103	273.48	.966	.790
12	14.273	33.675	25.107	273.34	1.013	.786
13	14.281	33.680	25.109	271.88	1.007	.777
14	14.286	33.685	25.111	271.16	1.033	.773
15	14.289	33.690	25.115	271.83	1.038	.772
16	14.292	33.691	25.115	272.24	1.054	.770
17	14.294	33.694	25.117	271.67	1.150	.769
18	14.310	33.711	25.127	270.37	1.242	.755
19	14.341	33.737	25.140	269.90	1.169	.726
20	14.382	33.771	25.158	269.56	1.138	.712
21	14.468	33.835	25.189	268.24	1.128	.642
22	14.508	33.889	25.223	260.52	.799	.580
23	14.448	33.915	25.255	258.79	.693	.571
24	14.430	33.920	25.263	257.77	.642	.563
25	14.435	33.986	25.313	256.60	.600	.541
26	14.498	34.056	25.353	251.03	.587	.523
27	14.532	34.100	25.380	248.32	.880	.523
28	14.559	34.157	25.418	246.12	.541	.511
29	14.578	34.186	25.436	244.16	.412	.506
30	14.590	34.214	25.456	239.57	.349	.499
31	14.599	34.227	25.464	235.86	.309	.490
32	14.601	34.235	25.469	234.18	.247	.489
33	14.594	34.243	25.477	231.97	.236	.484
34	14.578	34.250	25.486	230.30	.238	.483
35	14.562	34.254	25.492	229.26	.385	.480
36	14.506	34.305	25.544	228.96	.269	.476
37	14.525	34.398	25.612	222.88	.189	.473
38	14.533	34.500	25.689	220.97	.169	.470
39	14.433	34.525	25.729	221.08	.162	.467
40	14.272	34.532	25.769	221.48	.157	.470
41	14.171	34.545	25.801	217.01	.149	.471
42	14.126	34.547	25.811	214.26	.146	.471

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.098	34.549	25.819	211.42	.159	.471
44	14.073	34.550	25.825	210.33	.161	.471
45	14.030	34.537	25.824	209.90	.245	.471
46	13.967	34.521	25.825	209.64	.236	.472
47	13.576	34.402	25.813	211.56	.165	.472
48	13.240	34.431	25.905	208.36	.154	.473
49	13.023	34.342	25.879	207.55	.152	.473
50	12.802	34.359	25.936	206.57	.145	.476
52	12.705	34.404	25.990	196.73	.149	.476
54	12.776	34.455	26.016	195.13	.142	.478
56	12.677	34.383	25.979	195.15	.148	.480
58	12.544	34.418	26.033	194.19	.143	.482
60	12.383	34.390	26.042	193.16	.161	.487
62	12.724	34.504	26.064	191.55	.295	.481
64	12.861	34.553	26.075	190.88	.167	.477
66	12.873	34.549	26.069	194.74	.193	.478
68	12.909	34.586	26.091	192.06	.144	.478
70	12.943	34.570	26.072	193.26	.144	.477
72	12.978	34.596	26.085	192.45	.135	.477
74	12.996	34.619	26.099	190.17	.139	.479
76	13.011	34.626	26.102	189.80	.141	.478
78	12.998	34.627	26.105	191.97	.141	.479
80	12.993	34.635	26.112	191.92	.136	.480
82	12.986	34.632	26.111	190.10	.139	.479
84	12.976	34.625	26.108	188.12	.142	.479
85	12.975	34.629	26.111	188.73	.143	.481
86	12.971	34.630	26.113	189.36	.146	.480
87	12.968	34.626	26.110	189.98	.169	.480
88	12.962	34.619	26.106	189.21	.152	.479
89	12.973	34.634	26.116	189.10	.139	.480
90	12.995	34.654	26.126	188.95	.134	.480
91	13.056	34.713	26.160	191.07	.144	.481
92	13.201	34.784	26.186	190.28	.136	.483
93	13.235	34.792	26.185	187.55	.135	.486
94	13.244	34.811	26.198	184.97	.142	.489
95	13.222	34.835	26.221	182.22	.146	.489
96	13.203	34.851	26.237	181.35	.131	.490
97	13.187	34.859	26.247	180.62	.131	.490
98	13.166	34.926	26.303	180.25	.137	.499
99	13.153	34.983	26.349	180.38	.135	.521
100	13.150	34.994	26.358	180.45	.139	.528

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	15 NOV 88	0520	37 11.06	74 42.47	92	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	13.942	33.442	24.996	278.31	.864	.787
4	13.943	33.446	24.999	278.12	.848	.784
5	13.944	33.441	24.995	277.74	.897	.787
6	13.930	33.437	24.995	276.05	.887	.787
7	13.922	33.437	24.997	273.51	.897	.788
8	13.877	33.429	24.999	270.37	.938	.799
9	13.832	33.419	25.001	270.18	.982	.807
10	13.777	33.415	25.009	270.41	1.110	.806
11	13.728	33.419	25.022	271.35	1.270	.807
12	13.702	33.418	25.027	271.53	1.311	.815
13	13.701	33.421	25.029	271.23	1.292	.818
14	13.698	33.421	25.030	270.86	1.343	.817
15	13.700	33.422	25.030	269.90	1.341	.811
16	13.694	33.421	25.031	268.10	1.301	.813
17	13.675	33.417	25.032	268.56	1.331	.814
18	13.658	33.419	25.037	269.30	1.372	.811
19	13.636	33.418	25.041	270.07	1.444	.811
20	13.615	33.413	25.041	270.83	1.500	.811
21	13.607	33.420	25.047	271.40	1.507	.801
22	13.615	33.423	25.049	271.99	1.469	.798
23	13.647	33.456	25.067	271.83	1.446	.767
24	13.697	33.491	25.084	270.03	1.496	.731
25	13.723	33.520	25.101	267.46	1.579	.696
26	13.734	33.550	25.122	266.00	.848	.629
27	13.744	33.572	25.137	264.35	.689	.598
28	13.771	33.603	25.155	261.46	.809	.577
29	13.810	33.659	25.191	259.07	.616	.554
30	13.853	33.726	25.233	257.35	.814	.542
31	13.911	33.792	25.273	255.67	.847	.551
32	14.019	33.936	25.361	252.06	.435	.535
33	14.071	34.047	25.436	249.62	.374	.526
34	14.271	34.244	25.547	246.30	.337	.507
35	14.459	34.310	25.557	244.02	.629	.515
36	14.610	34.436	25.622	239.12	.398	.504
37	14.646	34.473	25.643	238.01	.294	.497
38	14.684	34.519	25.670	236.55	.296	.494
39	14.732	34.550	25.684	234.63	.262	.500
40	14.815	34.638	25.734	230.65	.236	.483
41	14.988	34.751	25.783	227.57	.221	.481
42	14.982	34.766	25.797	226.47	.279	.485
43	14.791	34.741	25.819	225.37	.303	.486

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	14.461	34.711	25.867	223.26	.606	.480
45	14.199	34.665	25.887	221.82	.302	.479
46	14.032	34.671	25.927	219.17	.207	.476
47	13.835	34.669	25.967	215.48	.184	.475
48	13.721	34.679	25.998	212.94	.176	.474
49	13.835	34.765	26.041	210.31	.171	.473
50	14.104	34.898	26.087	205.29	.210	.467
52	14.173	34.932	26.099	203.80	.166	.463
54	13.943	34.912	26.131	200.52	.147	.466
56	13.710	34.873	26.150	199.01	.137	.467
58	13.179	34.700	26.125	196.66	.148	.472
60	12.509	34.693	26.253	196.15	.155	.479
62	12.449	34.698	26.269	190.59	.134	.484
64	12.414	34.702	26.278	189.22	.182	.485
66	12.393	34.719	26.296	189.79	.142	.490
68	12.390	34.730	26.305	188.82	.136	.490
70	12.393	34.746	26.316	187.57	.140	.490
72	12.538	34.793	26.325	185.45	.135	.488
74	12.484	34.779	26.325	184.88	.134	.487
76	12.376	34.795	26.358	185.17	.133	.488
77	12.339	34.806	26.374	184.00	.131	.491
78	12.311	34.811	26.383	181.79	.132	.492
79	12.317	34.831	26.397	181.15	.133	.491
80	12.337	34.849	26.408	179.96	.131	.490
81	12.343	34.849	26.406	180.20	.144	.490
82	12.318	34.849	26.411	178.73	.131	.495
83	12.323	34.865	26.423	177.58	.132	.498
84	12.322	34.896	26.447	175.94	.129	.503
85	12.344	34.966	26.497	172.15	.150	.518
86	12.348	34.979	26.506	170.54	.143	.519
87	12.353	35.001	26.522	169.03	.132	.529
88	12.372	35.036	26.546	167.65	.137	.544
89	12.381	35.042	26.548	165.18	.137	.551
90	12.384	35.048	26.553	162.77	.132	.565
91	12.385	35.047	26.552	162.97	.131	.556

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	15 NOV 88	0620	37 16.95	74 38.11	91	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.676	33.499	25.095	279.71	1.026	.824
3	13.676	33.498	25.094	277.57	1.031	.824
4	13.675	33.499	25.095	276.46	1.056	.823
5	13.674	33.498	25.095	275.40	1.040	.823
6	13.670	33.498	25.095	275.88	1.095	.823
7	13.670	33.498	25.095	276.33	1.126	.826
8	13.665	33.498	25.097	276.31	1.160	.832
9	13.660	33.499	25.098	276.14	1.144	.833
10	13.657	33.497	25.097	275.79	1.151	.837
11	13.653	33.497	25.098	275.75	1.142	.838
12	13.652	33.498	25.099	275.97	1.180	.837
13	13.649	33.498	25.100	275.48	1.261	.838
14	13.648	33.498	25.100	275.38	1.232	.839
15	13.645	33.498	25.100	275.17	1.202	.842
16	13.642	33.495	25.098	275.32	1.224	.845
17	13.608	33.493	25.104	274.64	1.305	.848
18	13.596	33.512	25.121	274.15	1.422	.810
19	13.610	33.543	25.142	272.45	1.345	.774
20	13.629	33.569	25.159	270.65	1.361	.766
21	13.640	33.614	25.191	268.06	1.248	.743
22	13.657	33.669	25.230	266.37	1.027	.680
23	13.738	33.757	25.281	263.94	.946	.620
24	13.773	33.778	25.290	263.08	.878	.606
25	13.817	33.809	25.305	261.07	.727	.595
26	13.872	33.859	25.333	259.41	.656	.563
27	13.895	33.890	25.352	258.52	.579	.551
28	13.933	33.922	25.369	257.67	.631	.543
29	14.089	34.038	25.426	254.02	.498	.535
30	14.190	34.087	25.443	252.82	.415	.526
31	14.269	34.143	25.469	250.00	.401	.525
32	14.269	34.206	25.518	243.88	.700	.519
33	13.678	34.013	25.491	244.12	.726	.500
34	13.214	34.020	25.591	245.84	.534	.492
35	13.030	34.118	25.704	236.36	.247	.489
36	12.821	34.098	25.730	224.76	.190	.480
37	12.415	33.947	25.692	225.01	.187	.478
38	12.211	34.012	25.782	225.53	.236	.476
39	12.304	34.098	25.831	221.94	.281	.475
40	12.423	34.191	25.880	220.38	.281	.471
41	12.594	34.230	25.877	218.64	.196	.471
42	12.961	34.374	25.916	215.06	.149	.465

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	12.818	34.350	25.926	215.69	.147	.464
44	12.797	34.378	25.952	214.75	.143	.462
45	12.826	34.418	25.977	214.60	.148	.463
46	12.850	34.435	25.985	214.18	.146	.462
47	12.864	34.440	25.987	214.39	.148	.462
48	12.992	34.491	26.000	213.14	.149	.464
49	13.307	34.649	26.060	210.29	.170	.464
50	13.499	34.746	26.095	209.16	.165	.466
52	13.714	34.800	26.093	206.65	.184	.470
54	13.607	34.821	26.131	203.48	.163	.473
56	12.796	34.714	26.213	200.45	.282	.479
58	12.742	34.771	26.267	193.55	.152	.478
60	12.883	34.917	26.352	190.19	.153	.480
62	12.966	34.943	26.356	187.71	.154	.480
64	13.079	35.011	26.386	186.39	.157	.480
66	13.074	35.012	26.388	185.40	.156	.480
68	13.118	35.043	26.403	185.11	.138	.480
70	13.253	35.087	26.410	184.80	.132	.479
72	13.420	35.170	26.440	181.53	.138	.476
74	13.534	35.255	26.483	179.35	.130	.475
76	13.138	35.177	26.503	178.69	.159	.514
77	13.122	35.184	26.512	177.96	.163	.519
78	13.099	35.178	26.511	177.33	.213	.524
79	13.071	35.179	26.518	175.45	.178	.528
80	13.047	35.170	26.516	174.61	.178	.534
81	13.039	35.171	26.518	174.63	.170	.538
82	13.031	35.176	26.524	176.26	.178	.541
83	13.045	35.187	26.530	176.28	.180	.539
84	13.073	35.201	26.535	175.78	.199	.537
85	13.113	35.239	26.556	176.13	.169	.530
86	13.122	35.245	26.559	176.17	.165	.525
87	13.104	35.249	26.566	175.30	.173	.524
88	13.091	35.252	26.571	175.35	.164	.522
89	13.084	35.254	26.574	174.62	.161	.523

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	15 NOV 88	0715	37 23.30	74 34.03	91	89

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	13.490	33.443	25.090	278.70	.949	.814
4	13.493	33.451	25.095	277.49	1.042	.816
5	13.518	33.471	25.106	276.08	1.228	.817
6	13.583	33.538	25.144	275.48	1.285	.817
7	13.679	33.610	25.180	274.33	1.253	.828
8	13.721	33.617	25.176	274.27	1.462	.812
9	13.737	33.641	25.192	274.14	1.255	.775
10	13.749	33.666	25.209	273.18	1.321	.691
11	13.826	33.684	25.207	269.77	1.451	.683
12	14.190	33.945	25.333	262.34	.908	.631
13	14.632	34.246	25.471	256.56	1.120	.642
14	14.789	34.294	25.475	253.91	1.441	.662
15	14.816	34.344	25.507	254.76	.998	.665
16	14.925	34.411	25.535	255.44	.916	.657
17	15.090	34.473	25.547	255.82	.810	.631
18	15.188	34.559	25.591	255.27	.777	.600
19	15.193	34.577	25.604	254.61	.703	.604
20	15.215	34.587	25.607	253.18	.730	.593
21	15.250	34.627	25.630	251.56	.775	.596
22	15.269	34.641	25.636	250.53	.751	.598
23	15.271	34.643	25.638	251.41	.806	.600
24	15.284	34.653	25.642	251.77	.861	.601
25	15.344	34.703	25.668	250.91	.762	.600
26	15.479	34.805	25.716	248.55	.722	.577
27	15.515	34.807	25.710	248.12	.647	.570
28	15.528	34.807	25.707	246.11	.620	.571
29	15.536	34.821	25.716	246.08	.625	.564
30	15.547	34.825	25.716	246.22	.584	.563
31	15.556	34.829	25.718	245.56	.580	.562
32	15.591	34.858	25.732	244.98	.638	.559
33	15.703	34.937	25.768	244.26	.543	.550
34	15.772	34.969	25.777	244.50	.506	.544
35	15.855	35.007	25.787	243.80	.636	.540
36	15.926	35.053	25.806	243.66	.542	.540
37	16.015	35.101	25.823	243.29	.550	.537
38	16.062	35.110	25.819	241.50	.521	.536
39	16.072	35.115	25.820	240.14	.491	.537
40	16.113	35.147	25.835	239.03	.524	.537
41	16.188	35.195	25.855	237.89	.558	.535
42	16.216	35.207	25.858	237.86	.564	.535
43	16.237	35.221	25.864	236.68	.886	.537

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	16.252	35.235	25.872	235.68	.585	.537
45	16.257	35.244	25.877	236.32	.475	.535
46	16.254	35.247	25.880	236.57	.458	.535
47	16.248	35.255	25.888	236.73	.474	.534
48	16.246	35.257	25.889	236.06	.724	.529
49	16.253	35.262	25.892	236.37	.872	.529
50	16.250	35.260	25.891	236.68	.519	.528
52	16.249	35.269	25.898	235.41	.662	.527
54	15.990	35.198	25.903	233.73	.410	.509
56	15.300	34.976	25.888	229.10	.272	.492
58	13.806	34.682	25.982	228.16	.170	.462
60	13.399	34.770	26.134	208.39	.120	.460
62	13.306	34.759	26.145	204.11	.120	.455
64	13.074	34.750	26.185	204.01	.112	.457
66	12.966	34.767	26.220	202.10	.117	.458
68	12.881	34.755	26.228	198.97	.119	.458
70	12.950	34.852	26.288	196.20	.121	.462
72	12.906	34.873	26.314	193.46	.120	.461
74	12.934	34.934	26.356	190.85	.147	.460
76	13.049	35.081	26.446	186.35	.110	.457
77	13.167	35.174	26.495	185.41	.107	.458
78	13.378	35.263	26.520	183.38	.106	.463
79	13.507	35.307	26.528	179.48	.109	.472
80	13.549	35.316	26.527	178.16	.110	.477
81	13.580	35.334	26.534	177.08	.108	.480
82	13.628	35.350	26.536	177.41	.127	.483
83	13.644	35.347	26.531	176.67	.123	.488
84	13.730	35.393	26.548	176.07	.123	.499
85	13.753	35.386	26.538	174.37	.137	.503
86	13.743	35.388	26.541	174.71	.135	.504
87	13.745	35.391	26.544	172.95	.126	.509
88	13.747	35.393	26.545	173.19	.134	.509
89	13.749	35.393	26.544	174.08	.134	.512
90	13.748	35.395	26.546	174.01	.135	.512

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	15 NOV 88	0815	37 29.41	74 30.58	143	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	12.871	33.113	24.958	291.86	1.203	.840
5	13.017	33.251	25.035	291.62	1.197	.763
6	13.048	33.252	25.030	290.22	1.158	.807
7	13.082	33.342	25.093	287.60	1.170	.745
8	13.177	33.365	25.092	286.12	1.103	.708
9	13.212	33.380	25.097	285.84	1.551	.678
10	13.262	33.406	25.107	284.41	1.080	.658
11	13.280	33.462	25.146	283.47	.935	.661
12	13.391	33.543	25.187	280.67	.928	.609
13	13.431	33.574	25.202	278.60	.968	.600
14	13.485	33.609	25.219	277.73	.751	.609
15	13.723	33.810	25.325	274.22	.721	.580
16	14.344	34.288	25.565	264.74	.786	.560
17	14.713	34.336	25.523	261.06	.997	.541
18	14.852	34.157	25.355	260.99	.679	.531
19	14.888	34.441	25.567	258.72	.671	.528
20	14.923	34.454	25.568	257.93	.663	.529
21	14.924	34.449	25.564	257.88	.547	.529
22	14.916	34.451	25.568	255.31	.663	.529
23	14.913	34.454	25.571	252.92	.988	.533
24	14.915	34.454	25.570	253.91	.668	.530
25	14.922	34.466	25.578	254.70	.519	.529
26	14.964	34.507	25.601	253.84	.587	.527
27	15.147	34.649	25.670	252.44	.530	.524
28	15.382	34.782	25.720	251.13	.431	.505
29	15.519	34.822	25.721	249.98	.443	.496
30	15.710	34.939	25.767	246.76	.548	.485
31	15.891	35.014	25.784	243.77	.351	.480
32	16.115	35.173	25.855	239.33	.344	.471
33	16.295	35.226	25.854	235.63	.334	.467
34	16.359	35.235	25.846	232.86	.238	.469
35	16.437	35.274	25.858	228.21	.248	.467
36	16.556	35.358	25.895	224.53	.223	.464
37	16.658	35.414	25.914	222.32	.203	.462
38	16.694	35.419	25.909	221.09	.171	.463
39	16.683	35.414	25.908	219.94	.182	.461
40	16.704	35.433	25.918	219.79	.187	.460
41	16.727	35.437	25.915	220.50	.255	.461
42	16.720	35.432	25.913	221.61	.197	.460
43	16.709	35.430	25.914	221.79	.357	.460
44	16.693	35.423	25.913	222.00	.472	.459

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	16.684	35.424	25.915	222.73	.231	.460
46	16.681	35.423	25.916	222.65	.176	.460
47	16.671	35.419	25.915	221.95	.155	.461
48	16.659	35.417	25.916	222.97	.164	.461
49	16.642	35.418	25.921	224.64	.161	.461
50	16.489	35.369	25.920	225.59	.159	.462
52	16.333	35.373	25.959	221.31	.161	.468
54	15.992	35.294	25.977	219.47	.160	.476
56	15.646	35.289	26.052	214.58	.140	.471
58	15.042	35.117	26.053	215.75	.187	.485
60	14.842	35.223	26.179	205.31	.150	.478
62	14.915	35.272	26.201	203.49	.143	.481
64	14.583	35.163	26.189	203.07	.202	.481
66	14.763	35.344	26.290	197.80	.143	.482
68	14.944	35.364	26.266	194.99	.142	.490
70	15.017	35.402	26.279	195.94	.148	.510
72	14.986	35.433	26.309	195.91	.155	.518
74	14.910	35.433	26.327	195.02	.138	.506
76	14.916	35.501	26.378	192.26	.134	.500
78	14.810	35.484	26.388	186.40	.122	.483
80	14.628	35.534	26.466	182.84	.121	.484
82	14.526	35.513	26.472	178.70	.114	.481
84	14.297	35.603	26.591	174.81	.107	.475
86	14.142	35.585	26.610	170.91	.107	.468
88	13.977	35.582	26.643	166.54	.115	.470
90	13.935	35.569	26.642	167.81	.105	.471
92	13.736	35.516	26.642	169.87	.150	.480
94	13.628	35.487	26.642	170.31	.124	.490
96	13.478	35.478	26.667	174.03	.110	.495
98	13.435	35.477	26.674	173.56	.112	.495
100	13.353	35.477	26.691	171.80	.109	.492
102	13.299	35.469	26.696	169.06	.112	.488
104	13.227	35.459	26.704	167.79	.111	.488
106	13.156	35.447	26.708	168.56	.114	.488
108	13.071	35.446	26.725	166.52	.116	.505
110	12.967	35.421	26.726	167.59	.150	.513
112	12.757	35.418	26.766	166.07	.119	.522
114	12.547	35.386	26.783	165.25	.111	.512
116	12.460	35.396	26.808	163.92	.117	.514
118	12.460	35.420	26.827	162.88	.121	.515
120	12.436	35.424	26.834	162.07	.110	.513
122	12.389	35.421	26.841	160.28	.104	.513
124	12.392	35.422	26.841	160.01	.111	.514
126	12.375	35.428	26.850	160.07	.106	.520
128	12.337	35.428	26.857	159.88	.109	.512
129	12.321	35.429	26.861	158.22	.106	.518
130	12.311	35.430	26.863	158.10	.105	.505
131	12.304	35.431	26.866	158.45	.106	.504
132	12.310	35.436	26.868	159.36	.098	.501
133	12.313	35.451	26.879	158.37	.097	.472
134	12.311	35.450	26.879	158.74	.088	.472

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
135	12.296	35.446	26.879	158.73	.100	.480
136	12.288	35.448	26.882	159.06	.095	.486
137	12.283	35.448	26.883	156.70	.094	.492
138	12.277	35.454	26.888	154.40	.091	.489
139	12.270	35.457	26.892	154.43	.094	.490
140	12.261	35.459	26.896	155.85	.089	.505
141	12.257	35.459	26.897	153.81	.097	.505

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	15 NOV 88	0915	37 35.00	74 24.78	91	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
6	13.977	34.011	25.428	268.99	.740	.704
7	13.972	34.016	25.433	267.21	.779	.704
8	14.004	34.035	25.441	267.54	.772	.705
9	14.016	34.038	25.441	268.10	.822	.707
10	14.020	34.037	25.440	266.90	.903	.709
11	14.038	34.046	25.443	266.08	.968	.707
12	14.086	34.083	25.461	265.31	.886	.697
13	14.158	34.120	25.475	264.57	.905	.667
14	14.173	34.127	25.477	262.95	.820	.649
15	14.181	34.137	25.483	261.02	.895	.632
16	14.193	34.143	25.485	258.99	.781	.621
17	14.217	34.156	25.490	257.31	.733	.618
18	14.263	34.182	25.501	256.69	.835	.628
19	14.306	34.196	25.502	255.45	.839	.628
20	14.328	34.204	25.504	256.23	.836	.640
21	14.349	34.216	25.508	258.15	.800	.641
22	14.366	34.216	25.505	258.33	.873	.641
23	14.389	34.245	25.522	259.13	.868	.643
24	14.429	34.271	25.534	259.50	.792	.632
25	14.467	34.297	25.545	258.81	.848	.632
26	14.516	34.315	25.549	257.31	.734	.621
27	14.603	34.416	25.609	256.41	.697	.602
28	14.698	34.424	25.594	256.04	.684	.603
29	14.762	34.445	25.596	255.86	.676	.599
30	14.816	34.484	25.615	255.28	.666	.599
31	14.863	34.508	25.623	254.72	.679	.600
32	14.883	34.504	25.616	254.93	.676	.599
33	14.887	34.508	25.618	255.15	.676	.595
34	14.911	34.525	25.626	255.67	.637	.590
35	14.990	34.630	25.690	255.50	.592	.576
36	15.215	34.759	25.740	252.18	.501	.571
37	15.599	35.007	25.845	243.60	.359	.535
38	15.658	35.004	25.829	239.41	.403	.491
39	15.465	34.967	25.844	236.50	.287	.488
40	15.297	35.036	25.935	224.95	.228	.480
41	15.082	34.845	25.835	217.82	.242	.480
42	14.975	34.980	25.963	214.39	.247	.480
43	14.400	34.831	25.973	214.64	.250	.483
44	13.364	34.717	26.100	215.27	.279	.498
45	13.199	34.829	26.221	208.71	.270	.495
46	13.431	34.920	26.244	201.49	.226	.487

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
47	13.500	34.916	26.227	197.12	.210	.485
48	13.524	34.928	26.232	197.03	.197	.479
49	13.440	34.931	26.251	198.58	.199	.477
50	13.362	34.938	26.272	199.25	.195	.478
52	13.310	34.946	26.289	197.84	.199	.477
54	13.285	34.961	26.306	195.94	.188	.476
56	13.238	34.970	26.322	194.67	.195	.483
58	13.106	34.978	26.355	193.27	.264	.512
60	13.109	34.984	26.359	190.63	.252	.519
62	12.935	34.955	26.371	188.98	.322	.555
64	13.026	34.969	26.364	186.10	.282	.548
66	12.817	34.975	26.411	186.79	.339	.570
68	12.746	34.951	26.406	184.17	.361	.568
70	12.667	34.950	26.421	182.94	.359	.576
72	12.660	34.950	26.423	180.56	.376	.582
74	12.663	34.952	26.424	180.20	.358	.580
76	12.674	34.956	26.424	181.40	.367	.579
77	12.697	34.965	26.427	180.91	.351	.574
78	12.705	34.968	26.428	181.56	.342	.569
79	12.723	34.978	26.432	180.78	.358	.563
80	12.738	34.979	26.430	180.82	.342	.558
81	12.725	34.982	26.435	180.87	.413	.563
82	12.742	34.999	26.444	180.55	.714	.563
83	12.761	35.011	26.450	180.22	.391	.562
84	12.763	35.022	26.458	179.31	.339	.570
85	12.767	35.039	26.471	178.57	.357	.574
86	12.757	35.051	26.482	177.76	.373	.578
87	12.738	35.058	26.491	176.63	.386	.577
88	12.720	35.060	26.496	175.32	.371	.574

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
22	15 NOV 88	1015	37 41.53	74 20.54	92	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.692	33.791	25.317	--------	1.076	.771
3	13.693	33.791	25.317	279.09	1.041	.773
4	13.692	33.790	25.317	277.60	1.017	.774
5	13.698	33.793	25.318	275.89	.984	.772
6	13.700	33.794	25.318	275.58	1.031	.770
7	13.701	33.793	25.317	276.37	1.050	.770
8	13.706	33.796	25.318	276.56	1.139	.771
9	13.722	33.800	25.318	276.17	1.071	.772
10	13.743	33.812	25.323	275.32	1.077	.774
11	13.786	33.829	25.327	274.67	1.341	.781
12	13.887	33.918	25.375	274.61	1.791	.801
13	14.000	33.968	25.391	273.97	1.583	.787
14	14.031	33.962	25.379	274.48	1.146	.731
15	14.062	33.984	25.390	271.94	1.134	.701
16	14.197	34.119	25.466	269.20	1.179	.655
17	14.364	34.195	25.489	266.28	.962	.615
18	14.572	34.328	25.547	263.80	.936	.607
19	14.818	34.367	25.525	258.16	.726	.575
20	15.075	34.563	25.619	251.84	.584	.549
21	15.267	34.695	25.679	249.62	.554	.538
22	15.448	34.745	25.677	248.19	.489	.525
23	15.547	34.768	25.673	246.51	.408	.519
24	15.600	34.813	25.695	245.08	.460	.515
25	15.659	34.872	25.727	244.87	.383	.513
26	15.754	34.901	25.728	242.86	.350	.506
27	15.862	34.987	25.770	240.79	.360	.499
28	15.998	35.037	25.778	238.91	.339	.496
29	16.090	35.055	25.770	236.86	.478	.495
30	16.151	35.106	25.796	235.94	.391	.489
31	16.196	35.130	25.804	235.92	.304	.490
32	16.250	35.172	25.823	235.11	.260	.480
33	16.341	35.223	25.841	233.26	.236	.469
34	16.375	35.228	25.837	232.30	.220	.464
35	16.391	35.239	25.842	228.45	.189	.462
36	16.392	35.254	25.853	226.40	.167	.457
37	16.388	35.261	25.860	225.83	.160	.455
38	16.386	35.268	25.866	225.37	.164	.454
39	16.396	35.279	25.872	224.96	.162	.454
40	16.390	35.280	25.874	224.48	.164	.452
41	16.306	35.222	25.849	224.46	.176	.451
42	15.998	35.143	25.859	227.89	.145	.449

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.886	35.168	25.904	228.44	.134	.450
44	15.745	35.142	25.916	223.97	.143	.449
45	15.580	35.172	25.976	221.13	.131	.449
46	15.443	35.131	25.976	220.63	.126	.447
47	15.208	35.082	25.990	221.30	.135	.449
48	15.184	35.162	26.057	216.03	.125	.448
49	15.180	35.228	26.109	211.30	.123	.445
50	15.243	35.284	26.138	209.34	.126	.445
52	15.291	35.330	26.163	208.19	.128	.447
54	14.951	35.261	26.185	199.82	.139	.460
56	13.677	34.996	26.252	202.88	.217	.513
58	13.461	35.058	26.345	193.36	.266	.530
60	13.355	35.040	26.352	190.96	.296	.544
62	13.398	35.087	26.380	190.96	.316	.532
64	13.383	35.106	26.398	187.58	.301	.532
66	13.349	35.115	26.412	189.41	.296	.530
68	13.267	35.109	26.424	187.73	.321	.536
70	13.187	35.158	26.479	185.91	.306	.523
72	13.149	35.213	26.528	182.39	.281	.519
74	12.988	35.200	26.551	180.82	.261	.513
76	13.046	35.253	26.581	177.38	.222	.498
77	13.057	35.272	26.593	177.16	.220	.493
78	12.941	35.217	26.573	177.19	.209	.501
79	12.873	35.232	26.599	177.55	.219	.502
80	12.873	35.253	26.615	176.93	.221	.502
81	12.885	35.262	26.620	176.73	.225	.506
82	12.880	35.262	26.621	175.35	.218	.509
83	12.880	35.262	26.621	173.89	.227	.516
84	12.879	35.261	26.620	172.97	.232	.511
85	12.877	35.260	26.620	170.66	.228	.513
86	12.877	35.260	26.620	170.49	.235	.516
87	12.878	35.259	26.619	171.60	.230	.515
88	12.876	35.260	26.620	171.30	.225	.515
89	12.876	35.258	26.618	172.01	.239	.514
90	12.877	35.259	26.619	170.92	.232	.520

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	15 NOV 88	1237	37 41.49	74 20.17	96	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	13.581	33.748	25.307	305.61	.844	.778
2	13.585	33.750	25.307	304.87	1.072	.785
3	13.580	33.751	25.309	299.74	1.160	.782
4	13.582	33.753	25.310	297.42	1.023	.783
5	13.586	33.753	25.309	299.07	1.182	.783
6	13.586	33.751	25.308	296.60	1.264	.782
7	13.589	33.753	25.309	296.81	1.103	.785
8	13.589	33.752	25.308	297.09	1.509	.795
9	13.589	33.752	25.308	298.31	1.409	.784
10	13.588	33.752	25.309	297.23	1.111	.785
11	13.613	33.764	25.312	293.98	1.228	.787
12	13.733	33.850	25.354	281.46	1.222	.791
13	13.860	33.888	25.358	270.03	1.143	.766
14	13.932	33.924	25.370	256.16	1.071	.731
15	13.905	33.909	25.365	223.54	1.356	.711
16	13.836	33.917	25.385	180.37	.954	.689
17	14.028	34.059	25.455	150.85	1.595	.651
18	14.419	34.286	25.547	178.00	1.207	.603
19	14.799	34.431	25.578	202.89	.718	.580
20	14.988	34.487	25.580	215.90	.835	.564
21	15.050	34.506	25.581	212.58	.731	.559
22	15.148	34.574	25.612	209.57	.597	.546
23	15.284	34.652	25.642	254.56	.536	.547
24	15.431	34.745	25.681	285.68	.518	.529
25	15.661	34.882	25.734	275.75	.417	.526
26	15.905	34.990	25.762	--------	.358	.502
27	16.036	35.064	25.789	--------	.302	.493
28	16.153	35.101	25.791	279.19	.269	.488
29	16.131	35.100	25.796	284.38	.254	.492
30	16.330	35.195	25.822	161.45	.214	.477
31	16.382	35.200	25.814	143.12	.211	.475
32	16.401	35.200	25.809	186.21	.214	.476
33	16.413	35.203	25.809	341.24	.219	.475
34	16.424	35.207	25.810	256.87	.203	.473
35	16.478	35.252	25.832	316.03	.190	.469
36	16.565	35.279	25.833	235.56	.174	.462
37	16.623	35.312	25.844	242.10	.168	.464
38	16.640	35.305	25.835	227.06	.189	.460
39	16.570	35.289	25.839	232.10	.194	.458
40	16.569	35.312	25.857	235.19	.160	.463
41	16.565	35.327	25.869	235.50	.140	.457

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	16.575	35.337	25.875	233.36	.152	.456
43	16.575	35.337	25.874	234.23	.167	.454
44	16.558	35.328	25.871	235.71	.209	.454
45	16.535	35.340	25.886	233.89	.132	.453
46	16.484	35.328	25.889	232.79	.131	.454
47	16.444	35.334	25.902	232.60	.126	.453
48	16.393	35.326	25.909	231.24	.119	.452
49	16.285	35.304	25.917	228.09	.121	.454
50	16.192	35.303	25.937	227.82	.134	.453
52	15.784	35.204	25.955	227.63	.134	.453
54	15.420	35.306	26.115	223.11	.136	.449
56	15.156	35.407	26.252	211.89	.128	.460
58	14.756	35.268	26.233	202.49	.145	.468
60	13.743	35.068	26.294	201.39	.199	.535
62	13.490	35.036	26.322	199.58	.300	.574
64	13.535	35.115	26.374	200.32	.253	.561
66	14.135	35.350	26.430	193.12	.188	.488
68	13.636	35.183	26.405	195.58	.191	.499
70	13.211	35.215	26.518	191.74	.245	.520
72	13.309	35.280	26.548	188.74	.187	.497
74	13.311	35.306	26.567	188.95	.167	.491
76	13.294	35.306	26.571	188.15	.153	.686
78	13.278	35.305	26.574	186.19	.148	.770
80	13.229	35.312	26.589	182.30	.147	1.299
81	13.149	35.307	26.601	180.10	.137	1.389
82	13.047	35.318	26.630	181.98	.138	1.471
83	13.024	35.332	26.646	184.22	.144	1.733
84	13.017	35.329	26.645	181.56	.147	1.881
85	12.997	35.330	26.650	180.66	.153	1.938
86	12.992	35.327	26.649	178.51	.159	2.080
87	12.941	35.321	26.654	180.21	.167	.640
88	12.873	35.323	26.669	181.28	.181	.506
89	12.871	35.325	26.671	177.86	.188	.508
90	12.859	35.326	26.675	175.15	.197	.511
91	12.853	35.329	26.678	176.07	.195	.515
92	12.850	35.331	26.680	174.88	.197	.549
93	12.849	35.331	26.681	174.81	.206	.550
94	12.849	35.331	26.680	174.88	.213	.552

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	15 NOV 88	2325	37 29.38	74 30.57	134	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	13.156	33.031	24.838	282.99	1.156	.940
2	13.153	33.027	24.835	274.55	1.117	.918
3	13.155	33.028	24.835	273.80	1.137	.905
4	13.159	33.029	24.835	276.29	1.125	.913
5	13.156	33.026	24.834	276.74	1.136	.900
6	13.155	33.026	24.834	276.01	1.132	.903
7	13.164	33.042	24.844	274.82	1.120	.898
8	13.186	33.051	24.847	274.10	1.227	.895
9	13.230	33.122	24.893	275.42	1.457	.880
10	13.405	33.353	25.037	272.34	1.597	.765
11	13.464	33.470	25.116	270.41	1.080	.705
12	13.496	33.533	25.158	267.42	.885	.728
13	13.584	33.598	25.190	262.40	.867	.625
14	13.733	33.711	25.247	257.80	.879	.599
15	13.905	33.842	25.313	253.93	.829	.593
16	14.086	33.946	25.355	251.22	.685	.598
17	14.337	34.155	25.464	248.05	.686	.585
18	14.500	34.221	25.480	245.63	.611	.571
19	14.537	34.217	25.469	246.32	.714	.577
20	14.642	34.316	25.523	245.73	1.217	.567
21	14.788	34.398	25.555	244.55	.941	.538
22	14.883	34.456	25.579	244.17	1.118	.540
23	14.955	34.481	25.582	243.08	.585	.538
24	15.006	34.524	25.604	242.60	.605	.550
25	15.105	34.580	25.626	241.77	.427	.528
26	15.167	34.610	25.635	241.48	.407	.522
27	15.270	34.679	25.666	240.19	.520	.530
28	15.510	34.861	25.753	236.99	.356	.500
29	15.728	34.912	25.742	233.87	.264	.506
30	15.875	35.015	25.789	230.47	.231	.481
31	15.960	35.039	25.788	227.64	.227	.487
32	16.007	35.057	25.791	226.13	.219	.482
33	16.020	35.056	25.787	225.28	.225	.489
34	16.021	35.057	25.788	225.18	.227	.480
35	16.020	35.060	25.790	226.22	.233	.482
36	16.015	35.063	25.793	228.28	.251	.486
37	16.017	35.062	25.793	229.75	.264	.487
38	16.010	35.063	25.795	230.22	.259	.488
39	16.007	35.063	25.796	230.96	.276	.490
40	16.005	35.063	25.796	231.36	.306	.490
41	16.006	35.064	25.797	230.99	.286	.491

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	16.004	35.065	25.797	230.64	.300	.490
43	16.005	35.066	25.798	231.09	.325	.491
44	16.002	35.065	25.798	229.99	.374	.875
45	16.005	35.068	25.800	229.26	.292	.610
46	16.006	35.069	25.800	229.62	.295	.493
47	16.007	35.069	25.800	230.25	.304	.600
48	16.006	35.069	25.800	229.81	.303	.544
49	16.006	35.069	25.800	228.79	.357	.493
50	16.004	35.067	25.799	229.93	.316	.494
52	15.994	35.069	25.803	231.34	.326	.499
54	15.993	35.073	25.807	230.48	.394	.505
56	16.021	35.108	25.826	231.61	.378	.509
58	16.091	35.169	25.857	232.28	.392	.512
60	16.127	35.246	25.909	231.52	.388	.504
62	16.091	35.281	25.944	226.55	.302	.492
64	15.932	35.324	26.013	222.48	.344	.509
66	15.494	35.394	26.166	211.85	.170	.505
68	15.305	35.437	26.242	200.17	.185	.509
70	15.227	35.449	26.269	192.26	.143	.514
72	15.173	35.458	26.288	191.31	.141	.516
74	15.078	35.468	26.316	190.87	.154	.521
76	15.036	35.479	26.334	188.60	.139	.519
78	15.022	35.480	26.338	186.18	.140	.522
80	14.978	35.485	26.352	186.31	.146	.522
82	14.855	35.471	26.368	186.06	.136	.524
84	14.577	35.562	26.499	184.54	.164	.493
86	14.275	35.563	26.564	177.26	.115	.465
88	13.897	35.560	26.642	173.96	.109	.468
90	13.465	35.497	26.684	171.89	.108	.472
92	13.393	35.502	26.703	169.83	.108	.471
94	13.349	35.499	26.709	168.75	.106	.469
96	13.279	35.486	26.713	169.34	.109	.470
98	13.230	35.482	26.720	168.64	.106	.471
100	13.196	35.473	26.720	168.55	.105	.471
102	13.146	35.468	26.727	168.90	.108	.472
104	13.115	35.465	26.731	168.43	.109	.471
106	13.082	35.467	26.739	167.29	.103	.471
108	13.071	35.467	26.741	167.33	.106	.471
110	13.015	35.455	26.743	165.42	.107	.472
112	12.926	35.445	26.753	165.65	.107	.479
114	12.865	35.444	26.764	165.04	.110	.480
116	12.840	35.444	26.770	164.84	.104	.483
118	12.711	35.415	26.773	163.58	.110	.484
119	12.631	35.413	26.788	163.80	.107	.490
120	12.540	35.426	26.816	162.36	.107	.490
121	12.471	35.410	26.816	161.18	.107	.490
122	12.435	35.411	26.825	160.79	.110	.492
123	12.426	35.417	26.831	160.06	.099	.490
124	12.425	35.419	26.832	160.05	.102	.490
125	12.418	35.418	26.833	159.44	.102	.490
126	12.413	35.419	26.835	159.37	.098	.488

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
127	12.409	35.419	26.836	158.54	.101	.487
128	12.403	35.419	26.837	158.73	.102	.483
129	12.391	35.421	26.841	158.71	.100	.486
130	12.383	35.421	26.842	158.11	.101	.487
131	12.378	35.422	26.844	157.04	.104	.494
132	12.377	35.422	26.844	157.60	.105	.519

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	15 NOV 88	2355	37 28.60	74 30.51	222	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.154	33.068	24.866	281.20	1.144	.878
3	13.153	33.068	24.867	279.84	1.185	.878
4	13.156	33.071	24.868	279.30	1.137	.876
5	13.169	33.080	24.873	277.18	1.155	.875
6	13.179	33.089	24.878	275.25	1.127	.871
7	13.201	33.110	24.890	273.91	1.179	.865
8	13.285	33.218	24.956	271.98	1.215	.833
9	13.482	33.438	25.087	269.43	1.137	.738
10	13.564	33.474	25.098	267.21	1.191	.702
11	13.557	33.473	25.099	265.84	1.080	.676
12	13.552	33.541	25.152	264.84	1.112	.685
13	13.603	33.610	25.195	263.34	1.034	.659
14	13.726	33.724	25.259	259.72	.797	.618
15	14.088	34.042	25.429	252.96	.695	.579
16	14.306	34.123	25.446	249.59	.619	.562
17	14.640	34.383	25.575	245.96	.534	.550
18	14.840	34.465	25.595	243.99	.478	.528
19	14.952	34.498	25.596	243.51	.607	.528
20	15.007	34.520	25.601	241.70	.530	.515
21	15.046	34.560	25.623	239.98	.445	.512
22	15.200	34.675	25.678	239.69	.706	.508
23	15.299	34.705	25.679	240.15	.568	.503
24	15.414	34.776	25.708	239.82	.373	.498
25	15.496	34.820	25.724	238.37	.728	.493
26	15.543	34.836	25.725	236.06	.474	.494
27	15.591	34.868	25.740	235.18	.354	.491
28	15.626	34.877	25.739	234.83	.488	.489
29	15.659	34.897	25.747	235.15	.406	.488
30	15.680	34.915	25.756	234.23	.342	.488
31	15.708	34.942	25.770	233.07	.304	.488
32	15.836	35.049	25.823	230.70	.282	.480
33	16.034	35.143	25.850	227.42	.255	.473
34	16.157	35.163	25.838	225.19	.235	.471
35	16.204	35.174	25.835	223.50	.203	.469
36	16.245	35.195	25.842	221.52	.192	.470
37	16.301	35.219	25.847	219.96	.187	.468
38	16.336	35.233	25.850	220.36	.180	.468
39	16.360	35.243	25.852	221.23	.180	.468
40	16.380	35.255	25.857	222.07	.186	.468
41	16.393	35.261	25.858	223.01	.201	.475
42	16.393	35.259	25.857	223.29	.197	.469

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.385	35.255	25.855	223.88	.195	.471
44	16.376	35.253	25.857	224.88	.205	.472
45	16.375	35.254	25.857	225.33	.284	.472
46	16.375	35.255	25.858	225.75	.283	.474
47	16.364	35.256	25.861	225.38	.232	.476
48	16.358	35.251	25.859	225.29	.223	.476
49	16.355	35.257	25.865	225.80	.282	.477
50	16.342	35.254	25.865	227.15	.252	.476
52	16.320	35.251	25.868	227.72	.223	.481
54	16.272	35.256	25.883	229.10	.265	.491
56	16.249	35.271	25.899	228.76	.446	.496
58	16.226	35.287	25.917	228.08	.340	.495
60	16.153	35.304	25.948	227.64	.296	.494
62	16.017	35.325	25.995	222.62	.277	.490
64	15.576	35.381	26.138	215.64	.238	.499
66	15.370	35.435	26.226	206.30	.194	.511
68	15.257	35.448	26.261	198.52	.302	.515
70	15.205	35.463	26.284	194.53	.157	.520
72	15.154	35.460	26.293	193.15	.140	.521
74	15.031	35.462	26.322	193.20	.140	.519
76	14.928	35.474	26.355	189.62	.131	.511
78	14.888	35.488	26.374	188.36	.134	.505
80	14.810	35.484	26.388	187.68	.125	.503
82	14.750	35.492	26.407	182.45	.120	.511
84	14.498	35.564	26.518	180.94	.106	.460
86	14.021	35.570	26.624	176.02	.099	.462
88	13.782	35.587	26.687	171.99	.095	.452
90	13.762	35.593	26.696	168.98	.094	.450
92	13.753	35.597	26.701	170.63	.089	.449
94	13.750	35.600	26.704	169.41	.092	.450
96	13.740	35.600	26.706	169.27	.091	.449
98	13.684	35.606	26.722	168.98	.090	.451
100	13.678	35.610	26.727	165.67	.091	.451
102	13.639	35.602	26.729	165.09	.092	.452
104	13.503	35.556	26.721	165.79	.093	.454
106	13.324	35.557	26.759	165.33	.089	.454
108	13.180	35.542	26.777	163.91	.090	.454
110	13.142	35.559	26.798	164.50	.094	.454
112	13.089	35.525	26.782	162.76	.094	.455
114	13.073	35.546	26.802	162.50	.089	.455
116	13.000	35.499	26.780	161.31	.091	.460
118	12.896	35.499	26.801	160.66	.092	.464
120	12.966	35.543	26.822	161.00	.091	.461
122	12.959	35.496	26.786	160.94	.091	.460
124	12.711	35.451	26.801	162.36	.095	.472
126	12.711	35.488	26.830	161.99	.098	.471
128	12.789	35.495	26.820	159.20	.091	.461
130	12.773	35.491	26.820	158.84	.093	.461
132	12.776	35.497	26.824	158.57	.094	.462
134	12.795	35.499	26.821	158.29	.088	.460
136	12.778	35.495	26.821	158.56	.086	.460

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.749	35.473	26.810	159.44	.089	.462
140	12.650	35.470	26.828	160.17	.086	.462
142	12.625	35.472	26.835	158.38	.087	.460
144	12.626	35.483	26.843	156.90	.093	.458
146	12.620	35.490	26.849	155.76	.082	.459
148	12.567	35.487	26.857	155.81	.094	.458
150	12.558	35.495	26.865	155.85	.079	.455
155	12.484	35.502	26.886	154.28	.077	.454
160	12.415	35.499	26.896	154.12	.079	.454
165	12.330	35.487	26.904	152.14	.081	.457
170	12.063	35.458	26.934	151.32	.083	.475
175	12.025	35.449	26.934	149.40	.089	.495
180	11.896	35.432	26.945	149.99	.093	.517
185	11.558	35.414	26.995	149.18	.086	.495
190	11.000	35.354	27.052	148.00	.087	.530
195	10.800	35.361	27.094	145.98	.078	.513
200	10.715	35.350	27.100	145.77	.083	.526
205	10.650	35.348	27.110	146.01	.086	.529
207	10.638	35.348	27.113	146.16	.088	.531
208	10.614	35.341	27.111	145.43	.089	.531
209	10.564	35.333	27.114	145.70	.086	.539
210	10.520	35.331	27.120	146.17	.084	.547
211	10.485	35.333	27.128	145.96	.087	.540
212	10.446	35.334	27.136	145.39	.093	.545
213	10.428	35.332	27.137	144.52	.087	.547
214	10.420	35.334	27.140	143.78	.106	.557
215	10.406	35.332	27.141	144.42	.090	.567
216	10.392	35.331	27.143	145.30	.090	.586
217	10.421	35.335	27.141	145.13	.086	.567
218	10.403	35.323	27.135	146.73	.091	.584
219	10.181	35.311	27.164	145.51	.091	.624
220	10.001	35.288	27.177	145.52	.101	.664

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	16 NOV 88	0038	37 26.78	74 29.69	321	319

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.264	33.264	24.996	279.76	1.175	.841
3	13.267	33.265	24.996	275.20	1.132	.838
4	13.266	33.262	24.995	276.27	1.130	.837
5	13.264	33.263	24.995	276.11	1.150	.841
6	13.266	33.264	24.996	276.47	1.441	.837
7	13.283	33.281	25.006	275.06	1.320	.833
8	13.351	33.359	25.053	272.91	1.285	.810
9	13.441	33.412	25.076	271.52	1.130	.774
10	13.534	33.477	25.107	270.40	1.023	.749
11	13.685	33.596	25.168	267.55	.946	.690
12	13.822	33.724	25.239	263.34	1.010	.641
13	14.043	33.878	25.312	257.84	1.361	.621
14	14.211	34.012	25.380	252.18	.976	.563
15	14.436	34.168	25.453	245.69	.864	.543
16	14.603	34.283	25.506	242.42	.542	.537
17	14.831	34.434	25.573	240.64	.437	.581
18	14.910	34.453	25.570	241.32	.518	.529
19	14.963	34.474	25.575	242.00	.503	.529
20	15.047	34.561	25.624	242.11	.504	.524
21	15.176	34.650	25.664	240.92	.430	.521
22	15.210	34.654	25.660	241.18	.675	.519
23	15.226	34.661	25.662	242.53	.782	.519
24	15.241	34.667	25.663	243.83	.545	.519
25	15.249	34.668	25.662	244.64	.463	.520
26	15.257	34.673	25.664	243.44	.460	.520
27	15.270	34.682	25.668	242.22	.505	.523
28	15.287	34.695	25.674	241.48	.536	.522
29	15.355	34.748	25.700	241.33	.471	.522
30	15.427	34.788	25.715	241.69	.478	.528
31	15.488	34.807	25.716	242.16	.485	.538
32	15.551	34.843	25.730	241.89	.517	.547
33	15.611	34.866	25.734	241.85	.541	.547
34	15.682	34.927	25.765	240.35	.553	.556
35	15.859	35.061	25.828	238.20	.660	.569
36	15.963	35.094	25.829	237.57	.757	.556
37	15.975	35.088	25.822	238.91	.647	.579
38	15.986	35.095	25.825	239.95	.644	.570
39	16.032	35.136	25.846	239.54	.650	.560
40	16.034	35.129	25.840	239.94	.666	.551
41	16.022	35.130	25.843	239.94	.641	.547
42	16.021	35.134	25.847	240.82	.550	.544

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.021	35.135	25.848	240.86	.533	.542
44	16.021	35.140	25.851	240.00	.587	.545
45	16.023	35.142	25.853	239.00	.539	.543
46	16.029	35.146	25.855	239.11	.522	.544
47	16.039	35.152	25.857	239.36	.538	.546
48	16.038	35.154	25.858	239.73	.509	.538
49	16.037	35.155	25.859	238.96	.507	.537
50	16.050	35.172	25.869	237.09	.510	.529
52	16.105	35.192	25.872	235.56	.424	.519
54	16.152	35.220	25.883	233.14	.393	.509
56	16.415	35.408	25.966	227.51	.258	.469
58	16.305	35.411	25.994	221.75	.161	.456
60	16.017	35.417	26.065	213.21	.232	.454
62	15.921	35.419	26.089	205.84	.143	.453
64	15.763	35.411	26.119	203.26	.133	.452
66	15.361	35.402	26.203	201.45	.130	.449
68	15.183	35.402	26.242	196.69	.125	.451
70	15.024	35.466	26.327	190.18	.116	.449
72	14.801	35.520	26.418	187.31	.111	.448
74	14.798	35.542	26.436	181.81	.106	.448
76	14.844	35.571	26.448	179.14	.191	.448
78	14.866	35.572	26.444	178.22	.130	.447
80	14.900	35.590	26.450	178.58	.108	.448
82	14.936	35.645	26.484	177.97	.109	.451
84	14.761	35.654	26.530	175.77	.104	.447
86	14.582	35.642	26.560	174.45	.101	.445
88	14.518	35.646	26.576	173.39	.100	.447
90	14.109	35.544	26.585	173.50	.093	.449
92	13.902	35.560	26.641	172.92	.101	.449
94	13.866	35.561	26.650	171.94	.095	.449
96	13.965	35.619	26.674	169.02	.098	.450
98	13.946	35.606	26.668	168.46	.094	.450
100	13.895	35.598	26.672	168.09	.097	.453
102	13.796	35.570	26.672	168.00	.100	.454
104	13.714	35.559	26.680	168.25	.103	.452
106	13.662	35.561	26.692	167.26	.105	.454
108	13.484	35.512	26.692	167.90	.099	.452
110	13.380	35.520	26.719	167.29	.092	.452
112	13.390	35.541	26.733	167.10	.095	.451
114	13.380	35.546	26.739	166.39	.095	.453
116	13.426	35.560	26.741	165.59	.087	.451
118	13.295	35.534	26.748	165.19	.093	.453
120	13.162	35.529	26.770	165.37	.096	.452
122	13.272	35.600	26.803	163.13	.088	.446
124	13.291	35.600	26.799	162.39	.084	.445
126	13.298	35.601	26.799	160.96	.080	.449
128	13.283	35.604	26.804	160.21	.080	.445
130	13.227	35.591	26.805	160.18	.077	.445
132	13.088	35.573	26.820	160.50	.075	.445
134	12.938	35.564	26.843	159.64	.082	.449
136	12.937	35.577	26.854	159.02	.076	.447

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.838	35.562	26.862	158.71	.085	.446
140	12.810	35.561	26.866	157.10	.077	.447
142	12.778	35.558	26.871	156.91	.077	.446
144	12.738	35.549	26.872	156.00	.082	.448
146	12.648	35.538	26.881	156.33	.074	.447
148	12.607	35.536	26.888	156.39	.072	.448
150	12.530	35.505	26.878	156.33	.075	.451
155	12.497	35.514	26.892	155.77	.080	.452
160	12.393	35.516	26.914	154.28	.073	.451
165	12.333	35.512	26.923	152.85	.072	.454
170	12.295	35.506	26.926	151.29	.074	.453
175	12.099	35.480	26.944	151.25	.071	.452
180	11.986	35.468	26.956	149.64	.072	.455
185	11.979	35.470	26.959	148.86	.069	.455
190	11.914	35.461	26.964	149.26	.077	.458
195	11.729	35.439	26.982	147.88	.074	.459
200	11.611	35.426	26.995	146.96	.073	.479
205	11.436	35.409	27.014	147.17	.080	.482
210	11.341	35.407	27.031	145.58	.078	.482
215	11.231	35.385	27.034	144.22	.072	.468
220	10.744	35.343	27.089	144.54	.077	.487
225	10.516	35.326	27.117	145.16	.075	.481
230	10.377	35.324	27.140	144.91	.073	.490
235	10.286	35.319	27.152	145.49	.080	.494
240	10.099	35.285	27.158	144.41	.074	.494
245	9.971	35.271	27.169	144.20	.073	.491
250	9.920	35.283	27.187	145.00	.072	.490
255	9.637	35.250	27.210	144.97	.075	.505
260	9.469	35.245	27.234	145.73	.074	.509
265	9.256	35.227	27.255	148.47	.080	.522
270	9.238	35.227	27.257	149.32	.072	.523
275	9.146	35.219	27.266	149.95	.078	.524
280	8.951	35.198	27.281	150.50	.073	.520
285	8.867	35.193	27.291	151.57	.073	.527
290	8.689	35.180	27.309	153.30	.074	.533
295	8.578	35.179	27.326	157.22	.080	.554
300	8.480	35.162	27.328	156.45	.076	.595
306	8.328	35.163	27.352	159.48	.081	.634
307	8.318	35.161	27.352	158.81	.079	.635
308	8.310	35.160	27.352	159.15	.079	.649
309	8.307	35.162	27.355	158.87	.082	.654
310	8.311	35.161	27.353	159.93	.084	.654
311	8.312	35.160	27.353	160.20	.079	.648
312	8.310	35.161	27.353	159.99	.082	.653
313	8.300	35.159	27.353	159.77	.084	.660
314	8.274	35.153	27.353	159.53	.080	.655
315	8.253	35.156	27.358	160.17	.079	.640
316	8.250	35.155	27.358	161.19	.079	.625
317	8.244	35.155	27.359	161.54	.081	.617
318	8.244	35.157	27.360	161.41	.088	.621
319	8.245	35.156	27.360	161.62	.079	.620

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
320	8.248	35.155	27.358	160.01	.075	.623

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	16 NOV 88	0130	37 25.26	74 29.07	500	498

PRES DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.642	33.645	25.215	275.46	1.041	.802
3	13.641	33.647	25.216	271.09	1.025	.789
4	13.640	33.645	25.215	271.97	1.025	.792
5	13.644	33.647	25.216	270.61	1.138	.788
6	13.650	33.650	25.217	269.48	1.165	.787
7	13.654	33.653	25.219	269.87	1.206	.789
8	13.670	33.664	25.224	269.70	1.185	.782
9	13.737	33.727	25.259	267.78	1.382	.752
10	13.933	33.907	25.357	264.47	1.477	.701
11	14.328	34.217	25.514	259.89	1.241	.628
12	14.664	34.418	25.597	254.79	.892	.617
13	14.899	34.477	25.592	251.49	.796	.597
14	14.963	34.478	25.579	249.89	1.171	.594
15	14.976	34.471	25.570	248.09	1.137	.590
16	15.012	34.510	25.592	245.99	.891	.581
17	15.076	34.539	25.601	243.92	1.241	.559
18	15.092	34.537	25.596	244.48	.988	.557
19	15.123	34.564	25.610	245.12	.852	.557
20	15.194	34.619	25.636	244.96	.649	.552
21	15.237	34.648	25.649	246.00	.738	.563
22	15.316	34.690	25.664	246.01	1.021	.599
23	15.365	34.714	25.671	245.60	1.080	.618
24	15.434	34.771	25.700	246.07	1.076	.629
25	15.532	34.815	25.712	247.35	.958	.630
26	15.584	34.851	25.728	248.57	.876	.639
27	15.620	34.892	25.752	248.77	.828	.633
28	15.633	34.913	25.765	248.94	.792	.630
29	15.653	34.939	25.781	248.80	.746	.631
30	15.689	34.970	25.796	248.46	.738	.632
31	15.741	35.008	25.813	247.89	.750	.632
32	15.824	35.052	25.829	247.87	.758	.630
33	15.918	35.102	25.846	246.97	.765	.624
34	16.007	35.139	25.854	245.62	.882	.630
35	16.046	35.151	25.854	244.78	.974	.630
36	16.056	35.152	25.853	244.48	.974	.627
37	16.057	35.154	25.854	244.27	.905	.622
38	16.057	35.165	25.862	244.48	.816	.610
39	16.057	35.173	25.868	244.27	.745	.591
40	16.072	35.190	25.878	243.91	.734	.569
41	16.081	35.190	25.876	243.20	.656	.567
42	16.085	35.190	25.875	243.23	.635	.566

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.087	35.191	25.875	242.37	.736	.563
44	16.088	35.193	25.877	241.67	.678	.562
45	16.091	35.195	25.878	241.76	.665	.562
46	16.091	35.197	25.879	241.95	.685	.562
47	16.098	35.203	25.882	243.94	.637	.558
48	16.112	35.209	25.884	244.47	.650	.550
49	16.125	35.215	25.885	244.49	.614	.566
50	16.144	35.225	25.888	244.93	.582	.540
52	16.165	35.235	25.891	245.80	.472	.529
54	16.217	35.281	25.915	244.62	.473	.510
56	16.238	35.314	25.935	239.95	.558	.503
58	16.238	35.333	25.950	236.35	.352	.503
60	16.240	35.351	25.963	232.62	.309	.497
62	16.230	35.368	25.978	227.36	.576	.491
64	15.991	35.432	26.083	221.06	.265	.467
66	15.587	35.432	26.175	214.20	.172	.457
68	15.134	35.425	26.271	202.30	.127	.451
70	14.841	35.471	26.371	194.40	.128	.449
72	14.652	35.501	26.435	189.25	.109	.449
74	14.506	35.492	26.460	185.16	.109	.449
76	14.115	35.400	26.473	186.23	.106	.447
78	13.934	35.370	26.487	186.15	.107	.446
80	13.560	35.303	26.514	187.26	.102	.448
82	13.499	35.347	26.560	186.95	.093	.447
84	13.406	35.343	26.577	185.71	.098	.452
86	13.371	35.386	26.617	180.90	.106	.452
88	13.344	35.402	26.635	178.88	.104	.454
90	13.371	35.438	26.657	179.73	.099	.455
92	13.486	35.483	26.669	176.74	.110	.457
94	13.607	35.548	26.694	174.00	.115	.460
96	13.607	35.520	26.672	175.42	.129	.460
98	13.500	35.508	26.685	173.25	.116	.460
100	13.489	35.535	26.709	171.84	.109	.460
102	13.361	35.518	26.721	172.62	.104	.459
104	13.330	35.529	26.736	170.49	.115	.458
106	13.319	35.528	26.737	168.71	.105	.458
108	13.318	35.530	26.739	169.57	.099	.459
110	13.322	35.533	26.741	169.80	.099	.458
112	13.322	35.538	26.745	168.84	.103	.458
114	13.322	35.542	26.748	169.23	.101	.459
116	13.284	35.535	26.750	168.18	.105	.458
118	13.264	35.537	26.756	167.63	.105	.458
120	13.237	35.535	26.760	166.53	.099	.456
122	13.193	35.525	26.762	165.40	.101	.455
124	13.079	35.539	26.795	165.52	.097	.456
126	13.025	35.533	26.802	163.64	.100	.455
128	12.989	35.539	26.814	164.49	.099	.454
130	12.977	35.543	26.819	162.86	.091	.454
132	12.977	35.546	26.821	163.04	.094	.453
134	12.982	35.549	26.823	162.95	.095	.453
136	12.988	35.551	26.823	161.83	.102	.453

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.998	35.558	26.827	161.92	.101	.454
140	13.007	35.565	26.830	161.50	.088	.449
142	13.026	35.579	26.837	158.81	.090	.449
144	12.959	35.567	26.842	159.69	.079	.445
146	12.818	35.552	26.858	160.64	.080	.446
148	12.715	35.544	26.872	160.13	.075	.446
150	12.667	35.551	26.887	159.05	.074	.447
155	12.605	35.555	26.903	156.93	.069	.445
160	12.431	35.536	26.922	155.34	.080	.449
165	12.356	35.529	26.932	155.04	.071	.451
170	12.345	35.531	26.936	152.25	.069	.449
175	12.329	35.536	26.942	152.45	.064	.448
180	12.206	35.526	26.958	151.55	.064	.446
185	12.212	35.529	26.959	150.14	.061	.446
190	12.049	35.485	26.957	149.23	.063	.446
195	11.851	35.475	26.987	148.38	.065	.448
200	11.768	35.459	26.991	147.32	.064	.449
205	11.552	35.433	27.011	147.86	.063	.450
210	11.387	35.402	27.018	146.77	.064	.454
215	11.133	35.385	27.052	146.11	.066	.457
220	10.946	35.359	27.065	145.13	.068	.457
225	10.752	35.350	27.093	143.65	.071	.462
230	10.670	35.345	27.105	143.28	.071	.480
235	10.569	35.336	27.115	145.40	.077	.489
240	10.310	35.320	27.149	145.30	.072	.491
245	10.189	35.301	27.155	142.98	.072	.483
250	10.073	35.295	27.170	144.60	.080	.495
255	10.013	35.291	27.177	144.14	.083	.490
260	9.889	35.269	27.182	145.18	.075	.490
265	9.694	35.263	27.210	146.33	.073	.480
270	9.668	35.253	27.207	145.47	.066	.480
275	9.496	35.245	27.229	145.13	.066	.488
280	9.308	35.219	27.240	147.37	.070	.505
285	9.181	35.210	27.254	148.90	.077	.519
290	9.072	35.205	27.267	149.17	.068	.506
295	9.015	35.197	27.270	150.08	.071	.507
300	8.875	35.186	27.284	151.03	.068	.513
310	8.622	35.157	27.302	153.74	.066	.510
320	8.276	35.133	27.337	155.42	.058	.478
330	8.156	35.138	27.359	160.19	.063	.502
340	7.919	35.116	27.377	162.48	.062	.490
350	7.883	35.121	27.387	164.70	.065	.518
360	7.729	35.114	27.404	167.87	.060	.519
370	7.599	35.104	27.416	170.71	.063	.525
380	7.508	35.104	27.429	170.21	.063	.526
390	7.360	35.082	27.433	172.39	.063	.538
400	7.170	35.085	27.462	179.03	.062	.554
410	7.062	35.079	27.473	180.58	.062	.552
420	6.983	35.079	27.483	183.99	.062	.602
430	6.748	35.062	27.503	186.47	.073	.656
440	6.466	35.049	27.531	196.96	.069	.648

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.408	35.052	27.541	197.00	.065	.658
460	6.362	35.052	27.547	197.97	.072	.737
470	6.142	35.042	27.568	204.72	.066	.665
480	5.909	35.027	27.586	207.09	.060	.667
485	5.874	35.030	27.593	208.39	.069	.667
486	5.870	35.029	27.593	207.07	.068	.670
487	5.851	35.028	27.594	208.37	.063	.676
488	5.841	35.029	27.596	209.79	.064	.676
489	5.838	35.028	27.596	209.29	.067	.681
490	5.837	35.029	27.596	209.75	.060	.688
491	5.835	35.028	27.596	208.80	.071	.681
492	5.833	35.028	27.597	208.87	.065	.700
493	5.842	35.031	27.598	209.10	.071	.736
494	5.840	35.028	27.596	208.99	.064	.753
495	5.829	35.030	27.598	208.35	.068	.759
496	5.826	35.028	27.597	209.10	.069	.732
497	5.855	35.028	27.594	208.09	.066	.743
498	5.859	35.030	27.595	207.94	.069	.765

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	16 NOV 88	0222	37 23.94	74 27.61	478	476

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	15.283	34.682	25.665	260.74	.722	.663
3	15.283	34.684	25.667	261.04	.753	.662
4	15.285	34.684	25.667	260.02	.772	.658
5	15.309	34.696	25.670	260.60	.749	.659
6	15.331	34.721	25.684	260.03	.758	.661
7	15.388	34.740	25.687	259.70	.740	.660
8	15.406	34.746	25.687	259.62	.734	.660
9	15.415	34.752	25.690	259.48	.760	.660
10	15.454	34.775	25.698	259.26	.749	.658
11	15.485	34.799	25.710	258.20	.744	.655
12	15.504	34.802	25.708	257.57	.748	.651
13	15.508	34.803	25.708	256.23	.838	.653
14	15.514	34.807	25.710	255.04	.851	.651
15	15.544	34.830	25.721	254.19	.825	.651
16	15.608	34.866	25.734	253.86	.788	.644
17	15.673	34.917	25.759	253.26	.772	.637
18	15.734	34.955	25.774	252.26	.785	.634
19	15.756	34.952	25.767	251.84	.838	.632
20	15.764	34.958	25.770	251.81	.831	.632
21	15.775	34.968	25.775	252.67	.798	.635
22	15.783	34.977	25.780	253.12	.828	.642
23	15.795	34.990	25.788	252.87	.917	.636
24	15.816	35.012	25.800	252.61	.863	.633
25	15.848	35.036	25.811	252.52	.842	.636
26	15.874	35.043	25.811	252.18	.879	.632
27	15.869	35.042	25.811	251.72	.839	.616
28	15.864	35.041	25.811	251.17	.880	.599
29	15.860	35.042	25.813	250.50	.841	.587
30	15.858	34.875	25.685	249.82	.755	.581
31	15.858	35.040	25.812	248.46	.717	.577
32	15.858	35.042	25.813	246.68	.709	.574
33	15.860	35.043	25.814	245.05	.660	.564
34	15.860	35.044	25.814	244.44	.641	.557
35	15.860	35.043	25.814	244.40	.622	.556
36	15.861	35.042	25.812	246.04	.621	.556
37	15.859	35.042	25.813	247.57	.625	.552
38	15.858	35.043	25.814	248.04	.559	.545
39	15.858	35.043	25.814	248.02	.541	.543
40	15.858	35.043	25.814	247.82	.522	.537
41	15.868	35.054	25.820	247.44	.511	.529
42	15.911	35.082	25.832	247.25	.460	.525

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.016	35.131	25.845	245.57	.433	.516
44	16.018	35.116	25.834	244.70	.393	.515
45	16.003	35.106	25.829	243.76	.384	.518
46	16.025	35.134	25.846	243.75	.392	.516
47	16.074	35.155	25.851	243.65	.451	.518
48	16.098	35.164	25.852	243.56	.447	.519
49	16.102	35.167	25.854	242.74	.432	.522
50	16.118	35.194	25.871	242.16	.554	.529
52	16.130	35.200	25.872	242.99	.460	.534
54	16.094	35.190	25.873	242.94	.684	.556
56	16.095	35.198	25.879	243.44	.597	.553
58	16.105	35.212	25.888	243.38	.566	.541
60	16.134	35.234	25.898	245.52	.470	.532
62	16.148	35.266	25.919	241.52	.423	.522
64	16.166	35.287	25.931	238.51	.406	.513
66	16.179	35.306	25.942	232.49	.337	.507
68	16.165	35.396	26.016	224.60	.276	.479
70	15.612	35.373	26.124	221.79	.168	.453
72	15.102	35.372	26.237	208.20	.130	.452
74	14.736	35.365	26.312	196.18	.112	.451
76	14.495	35.372	26.370	191.76	.108	.449
78	14.293	35.358	26.402	190.12	.112	.448
80	14.239	35.384	26.434	188.55	.105	.448
82	14.366	35.482	26.482	188.23	.103	.449
84	14.649	35.608	26.518	183.66	.103	.448
86	14.490	35.597	26.544	181.44	.105	.446
88	14.600	35.760	26.646	177.54	.102	.445
90	14.547	35.696	26.609	174.88	.096	.445
92	14.228	35.630	26.626	173.52	.091	.444
94	14.080	35.647	26.671	174.75	.099	.445
96	14.195	35.725	26.707	173.24	.088	.444
98	14.170	35.714	26.704	171.92	.082	.442
100	13.979	35.686	26.723	170.54	.100	.444
102	13.965	35.701	26.737	167.77	.083	.443
104	13.951	35.742	26.771	168.19	.074	.441
106	13.968	35.746	26.772	168.19	.076	.440
108	13.734	35.688	26.776	169.94	.067	.440
110	13.645	35.692	26.797	171.84	.068	.439
112	13.601	35.685	26.801	172.71	.067	.439
114	13.565	35.684	26.808	172.19	.062	.440
116	13.539	35.681	26.811	171.13	.064	.439
118	13.462	35.689	26.833	169.19	.061	.439
120	13.476	35.704	26.841	165.94	.061	.439
122	13.474	35.705	26.843	165.22	.059	.439
124	13.450	35.704	26.848	163.80	.062	.438
126	13.407	35.701	26.854	161.58	.064	.439
128	13.391	35.704	26.859	161.79	.062	.438
130	13.346	35.688	26.857	161.88	.057	.438
132	13.306	35.682	26.860	160.87	.059	.439
134	13.265	35.677	26.864	162.05	.055	.438
136	13.230	35.680	26.874	161.84	.056	.438

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	13.221	35.669	26.867	162.10	.059	.438
140	13.205	35.682	26.881	161.69	.054	.438
142	13.145	35.668	26.882	161.22	.053	.438
144	13.062	35.654	26.888	159.51	.057	.437
146	12.945	35.636	26.898	157.73	.055	.437
148	12.870	35.624	26.904	156.11	.054	.438
150	12.816	35.627	26.916	156.38	.051	.437
155	12.579	35.602	26.944	153.75	.067	.437
160	12.421	35.569	26.950	149.92	.055	.437
165	12.131	35.519	26.968	147.26	.054	.439
170	11.964	35.498	26.983	149.12	.057	.445
175	11.689	35.455	27.003	151.26	.058	.446
180	11.629	35.466	27.023	147.40	.059	.442
185	11.563	35.459	27.029	147.39	.054	.440
190	11.301	35.420	27.048	145.02	.058	.440
195	11.110	35.399	27.067	145.21	.054	.440
200	10.903	35.374	27.085	144.98	.058	.442
205	10.834	35.362	27.088	144.02	.060	.443
210	10.711	35.348	27.099	142.99	.061	.445
215	10.531	35.325	27.114	141.37	.063	.445
220	10.494	35.333	27.127	141.33	.057	.448
225	10.503	35.335	27.126	141.50	.060	.450
230	10.477	35.331	27.128	142.62	.057	.450
235	10.449	35.324	27.127	141.54	.060	.450
240	10.250	35.297	27.141	140.36	.061	.450
245	10.178	35.299	27.155	141.61	.056	.453
250	10.072	35.282	27.161	141.78	.057	.452
255	9.914	35.267	27.176	141.49	.057	.458
260	9.820	35.261	27.187	142.23	.058	.455
265	9.787	35.259	27.191	142.79	.065	.458
270	9.631	35.231	27.195	143.72	.062	.462
275	9.440	35.225	27.223	145.24	.062	.465
280	9.343	35.214	27.231	145.64	.060	.466
285	9.292	35.206	27.232	145.49	.060	.475
290	9.118	35.176	27.237	145.70	.060	.471
295	8.908	35.168	27.265	146.40	.056	.465
300	8.826	35.168	27.278	148.38	.058	.464
310	8.772	35.160	27.280	147.90	.055	.463
320	8.425	35.138	27.318	154.23	.054	.481
330	8.195	35.127	27.345	157.42	.071	.491
340	7.857	35.108	27.380	165.17	.058	.498
350	7.662	35.100	27.403	167.62	.056	.494
360	7.584	35.093	27.409	171.35	.059	.506
370	7.357	35.083	27.434	175.42	.055	.522
380	7.083	35.070	27.463	180.82	.056	.530
390	6.723	35.055	27.500	186.09	.055	.524
400	6.519	35.040	27.517	195.83	.056	.532
410	6.364	35.043	27.539	201.83	.053	.529
420	6.327	35.042	27.544	201.43	.053	.537
430	6.229	35.039	27.554	204.01	.052	.540
440	6.187	35.035	27.556	206.48	.053	.551

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.147	35.029	27.557	208.02	.054	.549
460	6.061	35.033	27.571	210.23	.055	.554
463	6.058	35.031	27.570	208.31	.051	.559
464	6.051	35.032	27.572	208.24	.054	.558
465	6.052	35.034	27.573	209.45	.056	.559
466	6.049	35.031	27.571	209.75	.056	.562
467	6.046	35.032	27.573	208.55	.053	.561
468	6.046	35.033	27.573	208.24	.057	.562
469	6.048	35.033	27.573	208.90	.053	.566
470	6.042	35.032	27.573	208.56	.052	.561
471	6.037	35.032	27.573	205.17	.055	.563
472	6.037	35.031	27.573	205.03	.057	.564
473	6.038	35.033	27.574	205.65	.059	.563
474	6.038	35.033	27.574	205.05	.057	.563
475	6.039	35.032	27.573	203.67	.053	.564
476	6.036	35.033	27.574	205.30	.054	.567

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
29	16 NOV 88	0315	37 23.69	74 24.48	1095	1093

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	15.861	35.043	25.814	257.37	.615	.609
2	15.868	35.043	25.812	254.21	.656	.606
3	15.867	35.043	25.812	251.04	.623	.606
4	15.867	35.043	25.812	250.21	.629	.605
5	15.868	35.044	25.812	250.42	.648	.605
6	15.869	35.043	25.812	251.80	.638	.605
7	15.871	35.043	25.811	252.72	.672	.604
8	15.873	35.043	25.811	252.98	.659	.606
9	15.873	35.044	25.811	252.18	.626	.603
10	15.872	35.043	25.811	251.39	.638	.603
11	15.873	35.044	25.811	250.67	.654	.604
12	15.874	35.045	25.812	250.25	.674	.605
13	15.874	35.043	25.810	250.94	.721	.605
14	15.873	35.044	25.811	251.12	.696	.606
15	15.873	35.044	25.811	251.17	.679	.605
16	15.873	35.045	25.812	251.33	.695	.607
17	15.875	35.045	25.812	251.12	.758	.605
18	15.880	35.045	25.810	251.39	.797	.603
19	15.881	35.046	25.811	252.31	.699	.604
20	15.883	35.047	25.811	252.30	.695	.601
21	15.884	35.047	25.811	252.34	.702	.606
22	15.883	35.045	25.810	251.67	.711	.603
23	15.883	35.046	25.810	251.89	.705	.604
24	15.884	35.047	25.811	251.76	.747	.603
25	15.885	35.047	25.811	251.50	.723	.602
26	15.886	35.048	25.811	251.42	.703	.600
27	15.887	35.048	25.812	251.61	.698	.601
28	15.887	35.048	25.811	250.75	.677	.599
29	15.888	35.049	25.812	250.62	.693	.601
30	15.889	35.049	25.812	250.31	.807	.601
31	15.889	35.049	25.811	250.62	.851	.599
32	15.889	35.049	25.812	251.21	.732	.599
33	15.889	35.050	25.812	251.20	.675	.598
34	15.889	35.050	25.812	251.24	.680	.599
35	15.890	35.051	25.813	251.74	.712	.597
36	15.892	35.052	25.813	251.74	.749	.594
37	15.892	35.053	25.814	251.23	.792	.593
38	15.892	35.051	25.813	251.13	.830	.595
39	15.892	35.052	25.813	250.45	.864	.594
40	15.894	35.053	25.814	249.98	.977	.593
41	15.894	35.053	25.813	250.59	.789	.592

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	15.894	35.051	25.812	250.81	.713	.592
43	15.893	35.052	25.813	250.39	.685	.592
44	15.893	35.052	25.813	250.24	.727	.602
45	15.893	35.052	25.813	248.63	.691	.688
46	15.895	35.056	25.816	248.81	.676	.590
47	15.898	35.058	25.816	249.24	.665	.586
48	15.896	35.059	25.818	250.02	.668	.581
49	15.897	35.059	25.818	249.65	.648	.577
50	15.893	35.063	25.821	248.35	.633	.562
52	15.893	35.081	25.835	245.69	.508	.538
54	15.908	35.111	25.855	242.21	.469	.520
56	15.920	35.147	25.880	237.01	.386	.513
58	15.958	35.299	25.989	231.64	.285	.482
60	15.979	35.368	26.037	224.46	.214	.477
62	15.988	35.413	26.069	214.63	.208	.474
64	15.974	35.463	26.110	207.80	.219	.474
66	15.947	35.496	26.142	203.23	.205	.471
68	15.885	35.584	26.224	198.50	.173	.465
70	15.731	35.648	26.309	194.73	.184	.464
72	15.510	35.703	26.401	184.01	.134	.459
74	15.359	35.730	26.456	180.14	.148	.458
76	15.104	35.748	26.527	177.83	.125	.453
78	14.944	35.774	26.582	174.04	.117	.449
80	14.860	35.781	26.606	172.46	.104	.448
82	14.743	35.791	26.639	172.09	.100	.445
84	14.657	35.781	26.650	172.44	.099	.445
86	14.536	35.775	26.672	172.28	.089	.445
88	14.461	35.765	26.681	172.89	.087	.445
90	14.308	35.752	26.703	174.92	.078	.443
92	14.255	35.756	26.718	175.00	.076	.443
94	14.232	35.755	26.723	174.91	.074	.442
96	14.223	35.759	26.727	174.57	.071	.443
98	14.221	35.759	26.728	172.97	.078	.443
100	14.212	35.756	26.727	170.73	.074	.443
102	14.013	35.708	26.733	171.20	.076	.444
104	13.859	35.702	26.760	170.28	.073	.445
106	13.751	35.689	26.773	169.16	.075	.445
108	13.645	35.675	26.785	168.89	.069	.446
110	13.510	35.647	26.790	170.35	.067	.447
112	13.361	35.642	26.818	170.41	.069	.448
114	13.358	35.666	26.837	168.37	.064	.444
116	13.357	35.669	26.839	167.54	.067	.443
118	13.354	35.671	26.841	165.46	.062	.443
120	13.353	35.672	26.842	164.13	.064	.442
122	13.343	35.670	26.843	164.35	.060	.444
124	13.324	35.668	26.845	164.71	.064	.441
126	13.325	35.682	26.856	165.12	.063	.442
128	13.345	35.700	26.865	161.61	.061	.441
130	13.337	35.698	26.866	158.06	.061	.441
132	13.293	35.688	26.867	154.86	.061	.441
134	13.124	35.631	26.857	154.44	.062	.442

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
136	12.948	35.623	26.887	155.34	.060	.441
138	12.856	35.612	26.897	155.52	.059	.442
140	12.816	35.614	26.906	156.15	.057	.441
142	12.760	35.600	26.907	156.01	.058	.440
144	12.688	35.593	26.916	154.59	.056	.439
146	12.658	35.599	26.926	153.95	.055	.439
148	12.603	35.584	26.926	153.19	.055	.439
150	12.495	35.572	26.938	152.08	.057	.439
155	12.358	35.558	26.953	149.66	.056	.439
160	12.258	35.552	26.969	146.79	.058	.439
165	12.145	35.542	26.983	144.23	.054	.439
170	11.689	35.478	27.021	143.39	.054	.438
175	11.548	35.455	27.029	142.79	.059	.438
180	11.164	35.383	27.044	143.04	.058	.438
185	11.044	35.396	27.077	142.25	.058	.438
190	10.795	35.357	27.092	143.20	.056	.438
195	10.592	35.340	27.114	141.59	.058	.438
200	10.557	35.335	27.117	141.68	.057	.438
205	10.519	35.330	27.120	141.95	.056	.437
210	10.401	35.307	27.122	140.48	.057	.438
215	10.249	35.292	27.138	140.51	.062	.438
220	10.111	35.282	27.153	141.49	.054	.438
225	10.053	35.274	27.157	139.64	.054	.437
230	9.926	35.259	27.167	139.82	.055	.437
235	9.843	35.246	27.172	140.10	.053	.438
240	9.665	35.230	27.189	140.44	.059	.438
245	9.571	35.217	27.195	141.04	.055	.438
250	9.464	35.200	27.199	140.03	.058	.438
255	9.382	35.198	27.211	140.77	.051	.438
260	9.329	35.194	27.217	140.41	.055	.437
265	9.229	35.182	27.224	142.11	.059	.437
270	9.126	35.172	27.233	141.67	.055	.439
275	8.940	35.154	27.249	143.17	.056	.437
280	8.880	35.151	27.256	144.32	.057	.438
285	8.757	35.128	27.258	144.15	.056	.438
290	8.627	35.131	27.280	146.61	.057	.439
295	8.569	35.131	27.290	148.52	.054	.439
300	8.458	35.122	27.300	148.70	.054	.439
310	8.256	35.107	27.319	150.48	.053	.441
320	8.092	35.101	27.340	153.74	.050	.445
330	7.949	35.100	27.361	158.64	.055	.442
340	7.712	35.091	27.388	162.72	.054	.444
350	7.630	35.093	27.402	166.59	.052	.446
360	7.396	35.079	27.425	170.08	.052	.445
370	7.258	35.073	27.440	176.39	.052	.447
380	7.090	35.070	27.462	178.29	.049	.446
390	7.016	35.063	27.467	180.62	.052	.453
400	6.830	35.060	27.490	185.81	.047	.464
410	6.720	35.051	27.498	189.06	.052	.471
420	6.574	35.042	27.511	193.18	.051	.455
430	6.449	35.038	27.524	196.53	.053	.459

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
440	6.320	35.042	27.545	200.24	.050	.471
450	6.213	35.037	27.554	204.06	.051	.481
460	6.053	35.034	27.573	206.36	.056	.506
470	5.878	35.022	27.586	210.00	.055	.511
480	5.790	35.025	27.599	213.88	.050	.488
490	5.767	35.026	27.603	216.49	.049	.478
500	5.661	35.024	27.615	217.02	.048	.458
510	5.575	35.022	27.624	219.04	.049	.461
520	5.571	35.022	27.624	220.32	.050	.461
530	5.556	35.019	27.624	220.17	.051	.461
540	5.464	35.016	27.633	222.88	.048	.454
550	5.414	35.015	27.638	223.38	.048	.454
560	5.364	35.013	27.643	224.99	.045	.459
570	5.339	35.012	27.644	224.83	.046	.459
580	5.300	35.010	27.648	225.45	.046	.474
590	5.277	35.007	27.649	226.91	.052	.481
600	5.250	35.004	27.649	225.96	.051	.484
610	5.196	35.005	27.656	227.03	.050	.481
620	5.176	35.005	27.659	229.13	.044	.477
630	5.157	35.005	27.661	232.31	.043	.471
640	5.155	35.005	27.661	232.47	.047	.474
650	5.142	35.004	27.662	232.53	.047	.474
660	5.129	35.004	27.664	234.47	.047	.474
670	5.125	35.003	27.663	234.67	.049	.472
680	5.105	35.002	27.665	235.30	.047	.484
690	5.088	35.002	27.667	235.03	.044	.474
700	5.051	35.000	27.669	236.02	.043	.474
710	5.036	35.001	27.672	236.41	.050	.475
720	5.030	34.998	27.670	236.75	.045	.477
730	5.004	34.999	27.674	237.18	.047	.479
740	4.986	34.998	27.675	236.61	.049	.486
750	4.946	34.995	27.678	238.91	.045	.499
760	4.876	34.994	27.685	238.04	.047	.540
770	4.852	34.995	27.689	240.69	.052	.541
780	4.820	34.991	27.689	240.86	.049	.537
790	4.748	34.989	27.695	242.35	.048	.538
800	4.724	34.989	27.698	243.87	.044	.546
810	4.713	34.988	27.699	245.22	.049	.534
820	4.690	34.988	27.701	244.95	.048	.540
830	4.688	34.988	27.702	244.79	.048	.543
840	4.667	34.988	27.704	245.74	.049	.561
850	4.660	34.988	27.705	245.08	.047	.542
860	4.623	34.986	27.708	244.96	.047	.517
870	4.596	34.985	27.710	246.87	.048	.519
880	4.563	34.984	27.713	247.31	.048	.507
890	4.535	34.983	27.715	249.03	.048	.501
900	4.514	34.981	27.716	248.75	.047	.508
910	4.498	34.984	27.720	248.88	.047	.497
920	4.469	34.981	27.721	251.35	.052	.501
930	4.465	34.982	27.722	251.00	.049	.504
940	4.455	34.980	27.721	250.24	.046	.524

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
950	4.447	34.981	27.723	250.38	.047	.553
960	4.438	34.981	27.724	250.13	.048	.551
970	4.397	34.975	27.724	251.38	.050	.556
980	4.375	34.980	27.730	253.21	.049	.562
990	4.372	34.979	27.730	253.45	.109	.572
1000	4.364	34.977	27.729	254.68	.058	.580
1010	4.360	34.979	27.731	253.78	.047	.574
1020	4.351	34.978	27.731	253.35	.051	.571
1030	4.353	34.977	27.731	254.10	.053	.572
1040	4.353	34.978	27.731	253.46	.052	.589
1050	4.351	34.978	27.731	253.99	.052	.581
1060	4.339	34.977	27.732	253.52	.056	.608
1070	4.345	34.977	27.731	253.49	.058	.599
1080	4.335	34.977	27.732	253.17	.064	.634
1081	4.326	34.975	27.732	253.25	.056	.644
1082	4.322	34.976	27.733	254.36	.058	.654
1083	4.323	34.975	27.732	253.42	.077	.644
1084	4.302	34.971	27.731	253.68	.071	.657
1085	4.299	34.975	27.734	253.72	.060	.656
1086	4.297	34.975	27.735	253.69	.061	.660
1087	4.301	34.976	27.735	253.43	.065	.658
1088	4.297	34.974	27.734	253.50	.072	.659
1089	4.293	34.976	27.736	253.58	.064	.667
1090	4.293	34.975	27.735	253.67	.058	.660
1091	4.293	34.976	27.736	253.70	.057	.658
1092	4.293	34.975	27.735	252.89	.056	.655
1093	4.293	34.975	27.735	254.08	.056	.659
1094	4.293	34.975	27.736	253.25	.058	.675
1095	4.293	34.975	27.735	254.60	.060	.688

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
30	17 NOV 88	2025	36 54.50	75 9.48	33	31

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	14.612	33.496	24.897	251.84	-------	.778
6	14.613	33.494	24.895	250.18	-------	.777
7	14.613	33.495	24.895	249.80	-------	.775
8	14.613	33.494	24.895	250.28	-------	.774
9	14.614	33.495	24.895	250.10	-------	.775
10	14.617	33.494	24.894	250.31	-------	.776
11	14.616	33.494	24.894	250.01	-------	.778
12	14.618	33.494	24.894	249.63	-------	.776
13	14.620	33.496	24.895	251.73	-------	.774
14	14.633	33.502	24.897	252.31	-------	.773
15	14.636	33.502	24.896	249.85	-------	.772
16	14.634	33.499	24.895	248.26	-------	.773
17	14.636	33.502	24.896	251.14	-------	.773
18	14.638	33.505	24.898	254.48	-------	.771
19	14.634	33.498	24.894	257.40	-------	.774
20	14.630	33.498	24.894	255.62	-------	.773
21	14.647	33.518	24.906	251.86	-------	.772
22	14.662	33.525	24.908	248.89	-------	.773
23	14.669	33.531	24.912	248.89	-------	.770
24	14.672	33.557	24.931	249.72	-------	.763
25	14.675	33.566	24.938	251.87	-------	.760
26	14.673	33.580	24.949	252.56	-------	.753
27	14.672	33.587	24.954	251.57	-------	.751
28	14.662	33.615	24.978	249.86	-------	.732
29	14.607	33.665	25.028	247.51	-------	.695
30	14.419	33.802	25.174	241.73	-------	.613
31	14.317	33.877	25.254	236.71	-------	.579

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
31	17 NOV 88	2115	36 54.01	75 1.35	37	35

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.627	33.523	24.914	263.76	-------	.854
3	14.630	33.523	24.913	265.20	-------	.856
4	14.631	33.522	24.913	266.80	-------	.857
5	14.630	33.523	24.914	266.68	-------	.857
6	14.630	33.524	24.915	268.60	-------	.857
7	14.631	33.523	24.914	268.54	-------	.856
8	14.630	33.522	24.913	268.33	-------	.858
9	14.632	33.522	24.913	270.85	-------	.860
10	14.632	33.523	24.913	272.55	-------	.857
11	14.632	33.522	24.913	272.84	-------	.856
12	14.633	33.522	24.912	272.15	-------	.860
13	14.634	33.521	24.911	271.86	-------	.859
14	14.634	33.522	24.912	270.53	-------	.853
15	14.634	33.524	24.914	271.41	-------	.852
16	14.633	33.526	24.915	272.66	-------	.847
17	14.628	33.534	24.923	272.33	-------	.835
18	14.620	33.544	24.933	271.87	-------	.824
19	14.619	33.546	24.934	271.38	-------	.824
20	14.621	33.544	24.932	271.57	-------	.824
21	14.622	33.542	24.931	271.24	-------	.827
22	14.621	33.544	24.932	270.61	-------	.824
23	14.606	33.560	24.948	271.13	-------	.807
24	14.597	33.568	24.956	271.11	-------	.802
25	14.590	33.575	24.962	269.78	-------	.798
26	14.579	33.588	24.975	269.88	-------	.787
27	14.543	33.631	25.016	265.14	-------	.763
28	14.451	33.744	25.122	262.11	-------	.704
29	14.367	33.824	25.202	254.93	-------	.646
30	14.341	33.840	25.220	245.87	-------	.627
31	14.309	33.861	25.243	240.38	-------	.598
32	14.183	33.947	25.335	231.55	-------	.561
33	14.135	33.982	25.373	221.27	-------	.554
34	14.099	34.000	25.395	215.50	-------	.551

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
32	17 NOV 88	2210	36 53.46	74 54.00	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	14.526	33.560	24.965	257.05	-------	.835
4	14.525	33.559	24.964	255.25	-------	.831
5	14.526	33.560	24.965	252.44	-------	.833
6	14.528	33.560	24.964	250.01	-------	.832
7	14.527	33.561	24.965	248.86	-------	.833
8	14.529	33.560	24.964	249.23	-------	.830
9	14.528	33.561	24.965	249.77	-------	.830
10	14.526	33.562	24.966	249.77	-------	.830
11	14.526	33.562	24.966	249.38	-------	.829
12	14.527	33.562	24.966	249.88	-------	.830
13	14.524	33.563	24.967	250.70	-------	.831
14	14.529	33.563	24.967	250.82	-------	.831
15	14.529	33.563	24.966	251.64	-------	.831
16	14.532	33.563	24.965	252.37	-------	.832
17	14.531	33.562	24.965	252.48	-------	.832
18	14.531	33.565	24.967	252.35	-------	.831
19	14.533	33.571	24.971	252.54	-------	.824
20	14.532	33.576	24.975	252.02	-------	.820
21	14.533	33.579	24.978	251.16	-------	.810
22	14.533	33.582	24.980	252.01	-------	.805
23	14.535	33.572	24.972	252.57	-------	.813
24	14.535	33.569	24.970	252.93	-------	.819
25	14.535	33.572	24.972	253.15	-------	.817
26	14.535	33.576	24.975	252.17	-------	.805
27	14.524	33.608	25.002	251.42	-------	.781
28	14.520	33.617	25.010	248.74	-------	.764
29	14.518	33.620	25.013	249.58	-------	.766
30	14.511	33.638	25.028	248.35	-------	.749
31	14.441	33.738	25.120	247.32	-------	.646
32	14.255	33.842	25.239	246.01	-------	.625
33	14.054	33.944	25.361	240.33	-------	.581
34	13.938	34.005	25.432	237.37	-------	.564
35	13.799	34.069	25.510	221.81	-------	.553
36	13.676	34.132	25.584	218.99	-------	.542
37	13.646	34.150	25.604	208.64	-------	.547
38	13.615	34.164	25.621	204.53	-------	.539

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
33	17 NOV 88	2255	36 53.02	74 48.60	55	53

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.544	33.691	25.062	258.17	-------	.784
3	14.546	33.691	25.061	261.26	-------	.783
4	14.549	33.691	25.061	258.91	-------	.782
5	14.551	33.690	25.059	256.01	-------	.781
6	14.551	33.689	25.058	254.01	-------	.779
7	14.551	33.690	25.060	254.16	-------	.781
8	14.550	33.690	25.059	254.54	-------	.780
9	14.550	33.688	25.058	255.12	-------	.784
10	14.550	33.688	25.058	255.07	-------	.783
11	14.549	33.689	25.059	256.44	-------	.780
12	14.549	33.690	25.060	255.56	-------	.782
13	14.549	33.690	25.060	255.80	-------	.782
14	14.549	33.691	25.061	256.63	-------	.782
15	14.548	33.691	25.061	255.19	-------	.781
16	14.549	33.690	25.060	254.63	-------	.784
17	14.549	33.691	25.061	253.89	-------	.781
18	14.549	33.693	25.062	254.15	-------	.781
19	14.549	33.693	25.063	254.51	-------	.780
20	14.549	33.694	25.063	255.26	-------	.780
21	14.549	33.694	25.063	255.72	-------	.779
22	14.550	33.695	25.064	257.35	-------	.783
23	14.546	33.727	25.089	258.30	-------	.761
24	14.542	33.743	25.103	258.17	-------	.750
25	14.539	33.757	25.113	257.13	-------	.728
26	14.536	33.763	25.119	256.91	-------	.718
27	14.503	33.798	25.153	256.37	-------	.701
28	14.454	33.841	25.196	256.12	-------	.643
29	14.383	33.889	25.249	256.19	-------	.595
30	14.336	33.927	25.288	253.61	-------	.586
31	14.267	33.970	25.336	249.56	-------	.534
32	14.259	34.032	25.386	247.57	-------	.530
33	14.219	34.080	25.431	242.27	-------	.534
34	14.143	34.109	25.469	238.55	-------	.521
35	14.096	34.120	25.488	236.99	-------	.519
36	14.063	34.141	25.511	233.43	-------	.519
37	14.070	34.178	25.538	228.06	-------	.518
38	14.090	34.192	25.545	226.94	-------	.514
39	14.121	34.224	25.562	226.11	-------	.512
40	14.122	34.292	25.615	224.64	-------	.514
41	14.115	34.476	25.759	223.67	-------	.512
42	14.295	34.612	25.825	221.65	-------	.510

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.471	34.634	25.805	216.33	------	.509
44	14.615	34.694	25.821	213.87	------	.509
45	14.676	34.689	25.803	214.10	------	.509
46	14.706	34.694	25.801	216.28	------	.510
47	14.924	34.838	25.865	215.71	------	.510
48	15.088	34.850	25.838	216.10	------	.510
49	15.068	34.843	25.837	219.15	------	.512
50	15.090	34.832	25.823	220.15	------	.511
51	15.108	34.828	25.816	222.03	------	.509
52	15.111	34.834	25.820	223.27	------	.512
53	15.163	34.865	25.832	223.71	------	.515

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
34	17 NOV 88	2335	36 52.63	74 42.93	82	80

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	14.547	33.847	25.182	264.92	------	.680
2	14.514	33.838	25.182	263.37	------	.613
3	14.505	33.843	25.187	258.40	------	.612
4	14.507	33.843	25.187	255.88	------	.612
5	14.509	33.843	25.187	256.72	------	.614
6	14.511	33.845	25.187	256.17	------	.612
7	14.506	33.843	25.187	255.18	------	.616
8	14.502	33.842	25.188	255.30	------	.613
9	14.502	33.844	25.189	256.86	------	.614
10	14.510	33.847	25.189	258.28	------	.612
11	14.511	33.843	25.186	258.46	------	.614
12	14.509	33.844	25.187	259.34	------	.613
13	14.512	33.846	25.188	260.44	------	.612
14	14.514	33.846	25.188	261.12	------	.614
15	14.514	33.845	25.187	260.77	------	.612
16	14.515	33.845	25.187	261.27	------	.613
17	14.516	33.845	25.187	261.74	------	.615
18	14.515	33.845	25.187	262.27	------	.609
19	14.516	33.845	25.187	263.25	------	.612
20	14.514	33.847	25.189	265.25	------	.608
21	14.513	33.848	25.189	265.07	------	.608
22	14.512	33.848	25.190	264.73	------	.609
23	14.514	33.846	25.188	265.49	------	.611
24	14.515	33.846	25.187	266.32	------	.610
25	14.516	33.847	25.188	266.10	------	.612
26	14.521	33.859	25.196	266.93	------	.606
27	14.524	33.861	25.198	267.78	------	.606
28	14.525	33.868	25.202	267.89	------	.601
29	14.524	33.869	25.203	268.11	------	.599
30	14.517	33.873	25.208	266.68	------	.598
31	14.507	33.874	25.211	264.63	------	.595
32	14.494	33.882	25.220	265.53	------	.590
33	14.490	33.901	25.235	265.03	------	.581
34	14.480	33.916	25.249	264.01	------	.575
35	14.494	33.957	25.278	263.34	------	.565
36	14.515	34.012	25.315	260.59	------	.548
37	14.560	34.098	25.373	257.53	------	.526
38	14.582	34.124	25.387	256.61	------	.519
39	14.594	34.133	25.392	251.88	------	.520
40	14.609	34.147	25.400	247.73	------	.519
41	14.653	34.198	25.430	247.09	------	.518

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	14.781	34.343	25.514	245.93	------	.509
43	14.983	34.473	25.570	242.81	------	.499
44	15.115	34.541	25.594	241.90	------	.495
45	15.215	34.605	25.621	240.99	------	.492
46	15.302	34.670	25.652	240.09	------	.487
47	15.345	34.693	25.660	239.02	------	.485
48	15.353	34.717	25.677	237.65	------	.485
49	15.382	34.764	25.706	237.54	------	.480
50	15.392	34.766	25.705	236.81	------	.481
52	15.449	34.802	25.721	234.95	------	.477
54	15.504	34.832	25.731	234.58	------	.477
56	15.516	34.881	25.766	233.71	------	.476
58	15.513	34.946	25.817	229.74	------	.471
60	15.520	35.000	25.857	228.72	------	.477
62	15.569	35.039	25.876	227.06	------	.469
64	15.310	35.005	25.908	227.74	------	.476
66	15.236	35.064	25.970	224.01	------	.473
67	15.191	35.060	25.977	222.43	------	.472
68	15.120	35.064	25.996	221.04	------	.474
69	15.101	35.067	26.002	218.35	------	.473
70	15.072	35.059	26.003	217.68	------	.477
71	15.050	35.056	26.005	216.11	------	.477
72	15.015	35.053	26.010	213.38	------	.478
73	14.958	35.041	26.013	212.47	------	.480
74	14.806	35.032	26.040	211.32	------	.483
75	14.400	35.096	26.177	206.46	------	.506
76	14.190	35.133	26.250	195.64	------	.531
77	14.135	35.210	26.321	186.47	------	.540
78	14.106	35.257	26.364	184.63	------	.545
79	14.033	35.355	26.455	180.40	------	.563

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
35	18 NOV 88	0010	36 52.42	74 39.29	124	122

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.296	33.716	25.133	260.40	.695	.661
3	14.300	33.715	25.132	263.99	.694	.661
4	14.302	33.715	25.132	262.66	.693	.661
5	14.302	33.715	25.131	262.89	.705	.661
6	14.303	33.714	25.131	263.94	.636	.659
7	14.302	33.716	25.132	264.26	.669	.660
8	14.303	33.715	25.132	263.67	.744	.662
9	14.303	33.715	25.131	263.43	.819	.661
10	14.300	33.716	25.133	263.22	.758	.660
11	14.302	33.716	25.132	263.68	.696	.660
12	14.301	33.716	25.133	263.52	.702	.661
13	14.302	33.716	25.132	263.86	.595	.659
14	14.302	33.717	25.133	263.60	.665	.661
15	14.301	33.716	25.133	263.92	.688	.661
16	14.300	33.716	25.133	264.78	.631	.661
17	14.299	33.715	25.132	266.33	.620	.660
18	14.301	33.715	25.132	267.05	.697	.661
19	14.302	33.716	25.133	265.83	.788	.658
20	14.302	33.716	25.132	265.56	.602	.660
21	14.302	33.717	25.133	266.76	.660	.660
22	14.307	33.724	25.137	267.60	.670	.659
23	14.309	33.720	25.134	269.13	.680	.659
24	14.309	33.720	25.134	269.77	.674	.658
25	14.308	33.719	25.133	269.12	.589	.658
26	14.344	33.784	25.176	267.29	.712	.631
27	14.388	33.814	25.190	266.16	.642	.627
28	14.411	33.831	25.198	264.07	.654	.617
29	14.454	33.893	25.236	262.47	.654	.599
30	14.477	33.900	25.238	262.01	.562	.593
31	14.480	33.901	25.238	261.03	.542	.591
32	14.490	33.909	25.242	260.18	.584	.588
33	14.493	33.913	25.244	260.00	.625	.590
34	14.547	33.993	25.294	258.35	.599	.576
35	14.740	34.200	25.413	255.44	.583	.530
36	14.915	34.362	25.499	252.27	.545	.521
37	15.088	34.462	25.538	247.48	.621	.515
38	15.103	34.464	25.537	245.83	.569	.513
39	15.114	34.472	25.541	242.23	.463	.511
40	15.140	34.507	25.562	240.25	.419	.506
41	15.153	34.509	25.560	239.91	.466	.503
42	15.160	34.519	25.566	239.63	.384	.503

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.179	34.539	25.578	239.26	.343	.500
44	15.221	34.607	25.621	237.84	.395	.494
45	15.265	34.668	25.658	236.37	.286	.493
46	15.275	34.669	25.657	236.68	.295	.490
47	15.277	34.669	25.656	236.00	.406	.491
48	15.272	34.675	25.662	232.68	.331	.487
49	15.282	34.721	25.695	231.64	.325	.491
50	15.354	34.776	25.722	231.37	.262	.488
52	15.342	34.767	25.717	234.64	.344	.488
54	15.328	34.813	25.756	235.94	.316	.493
56	15.360	34.859	25.785	233.03	.331	.487
58	15.395	34.891	25.801	231.23	.311	.480
60	15.399	34.906	25.812	229.70	.346	.478
62	15.416	34.969	25.857	228.89	.297	.477
64	15.453	35.029	25.895	227.07	.312	.484
66	15.339	35.040	25.928	223.69	.396	.486
68	15.123	35.042	25.978	221.70	.299	.489
70	14.819	35.085	26.078	211.86	.346	.496
72	14.549	35.160	26.194	202.70	.363	.497
74	14.321	35.337	26.380	194.64	.489	.495
76	14.162	35.381	26.448	183.49	.268	.491
78	14.113	35.371	26.451	179.25	.285	.488
80	14.061	35.374	26.464	181.83	.307	.486
82	13.968	35.352	26.467	181.31	.188	.480
84	13.542	35.347	26.551	178.76	.274	.488
86	13.438	35.382	26.600	175.54	.300	.490
88	13.387	35.391	26.618	174.25	.280	.492
90	13.372	35.400	26.628	172.97	.259	.497
92	13.362	35.403	26.632	171.34	.317	.499
94	13.340	35.407	26.640	170.69	.253	.503
96	13.316	35.411	26.648	169.08	.317	.506
98	13.283	35.414	26.657	168.53	.247	.510
100	13.247	35.419	26.668	167.74	.260	.515
102	13.227	35.425	26.677	166.46	.282	.519
104	13.173	35.427	26.689	166.60	.267	.524
106	13.138	35.432	26.701	166.18	.293	.529
108	13.091	35.440	26.716	164.52	.252	.534
109	13.079	35.440	26.719	164.80	.238	.536
110	13.060	35.441	26.724	163.69	.320	.540
111	13.038	35.443	26.730	162.54	.252	.541
112	13.019	35.444	26.733	163.38	.279	.543
113	12.993	35.446	26.741	163.50	.230	.545
114	12.984	35.448	26.744	162.45	.212	.547
115	12.945	35.442	26.747	160.45	.219	.551
116	12.918	35.448	26.757	161.29	.274	.551
117	12.904	35.447	26.759	161.66	.279	.551
118	12.888	35.445	26.761	161.05	.247	.550
119	12.881	35.447	26.764	161.39	.186	.548
120	12.868	35.444	26.764	162.50	.225	.545
121	12.853	35.447	26.769	162.46	.264	.544

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
36	18 NOV 88	0049	36 52.04	74 36.22	758	756

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	14.314	33.700	25.118	271.98	.666	.682
2	14.314	33.701	25.118	268.55	.672	.671
3	14.312	33.700	25.118	270.72	.707	.669
4	14.307	33.699	25.118	272.31	.721	.667
5	14.310	33.702	25.120	272.92	.678	.669
6	14.321	33.701	25.116	272.46	.670	.669
7	14.325	33.700	25.115	271.67	.685	.675
8	14.326	33.702	25.116	270.45	.710	.670
9	14.327	33.701	25.116	270.17	.719	.668
10	14.325	33.704	25.118	269.41	.701	.667
11	14.330	33.705	25.118	269.54	.700	.670
12	14.322	33.702	25.117	268.80	.702	.666
13	14.322	33.702	25.118	268.29	.710	.669
14	14.331	33.708	25.120	268.24	.758	.670
15	14.351	33.739	25.140	268.40	.754	.667
16	14.354	33.728	25.131	266.36	.770	.666
17	14.356	33.736	25.136	265.47	.779	.667
18	14.369	33.762	25.153	264.67	.786	.662
19	14.378	33.768	25.156	264.48	.769	.662
20	14.384	33.780	25.164	263.94	.758	.660
21	14.388	33.789	25.170	264.52	.782	.658
22	14.395	33.803	25.180	264.86	.805	.655
23	14.402	33.817	25.189	264.66	.829	.652
24	14.410	33.838	25.204	265.66	.777	.642
25	14.427	33.886	25.237	265.47	.736	.621
26	14.445	33.914	25.255	264.70	.714	.599
27	14.453	33.928	25.264	264.26	.662	.583
28	14.458	33.934	25.267	262.48	.629	.573
29	14.461	33.938	25.270	260.99	.596	.558
30	14.463	33.938	25.270	260.26	.525	.554
31	14.466	33.941	25.271	260.25	.603	.552
32	14.468	33.942	25.272	260.28	.661	.550
33	14.473	33.946	25.274	259.63	.472	.548
34	14.484	33.957	25.280	258.70	.430	.544
35	14.528	34.003	25.306	257.62	.398	.534
36	14.558	34.014	25.308	256.69	.350	.531
37	14.587	34.037	25.320	257.64	.317	.528
38	14.598	34.038	25.318	256.78	.322	.527
39	14.607	34.042	25.319	257.17	.317	.532
40	14.625	34.058	25.328	256.06	.312	.528
41	14.638	34.063	25.329	254.48	.307	.531

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	14.660	34.088	25.343	252.73	.317	.525
43	14.692	34.111	25.354	252.08	.332	.526
44	14.710	34.124	25.360	251.94	.354	.523
45	14.717	34.125	25.359	251.76	.502	.522
46	14.716	34.125	25.359	250.94	.411	.524
47	14.735	34.162	25.384	249.71	.355	.525
48	14.836	34.288	25.459	247.98	.287	.520
49	14.917	34.343	25.484	246.98	.289	.517
50	14.955	34.352	25.483	246.80	.949	.511
52	14.974	34.357	25.483	244.00	.293	.509
54	15.021	34.439	25.536	244.50	.258	.500
56	15.129	34.541	25.591	242.64	.416	.497
58	15.175	34.616	25.638	240.83	.207	.492
60	15.228	34.688	25.682	239.56	.195	.491
62	15.291	34.779	25.738	233.06	.183	.490
64	15.305	34.902	25.830	233.59	.170	.486
66	15.264	34.915	25.849	232.24	.176	.488
68	15.237	34.934	25.870	229.25	.188	.490
70	15.208	34.964	25.899	227.96	.178	.490
72	15.002	34.961	25.942	221.11	.242	.490
74	14.620	35.080	26.117	217.68	.161	.490
76	14.175	35.072	26.207	203.20	.134	.490
78	13.752	35.190	26.387	193.70	.111	.493
80	13.526	35.319	26.533	186.23	.104	.489
82	13.420	35.347	26.577	173.70	.108	.490
84	13.368	35.362	26.599	170.93	.101	.486
86	13.259	35.373	26.630	172.68	.093	.486
88	13.148	35.412	26.683	171.24	.092	.490
90	13.117	35.416	26.692	169.56	.092	.486
92	12.923	35.381	26.705	169.06	.090	.482
94	12.766	35.412	26.760	169.72	.087	.487
96	13.039	35.585	26.839	165.82	.080	.470
98	13.179	35.596	26.819	164.57	.077	.466
100	13.225	35.602	26.814	164.45	.076	.466
102	13.184	35.589	26.813	164.90	.078	.468
104	13.159	35.589	26.818	162.74	.074	.467
106	13.117	35.579	26.818	161.51	.075	.467
108	13.096	35.579	26.823	162.07	.078	.466
110	12.895	35.476	26.783	161.78	.079	.469
112	12.685	35.487	26.834	160.45	.081	.471
114	12.644	35.473	26.832	160.45	.075	.470
116	12.603	35.479	26.844	161.78	.076	.470
118	12.603	35.483	26.848	160.22	.072	.471
120	12.612	35.486	26.847	159.47	.071	.470
122	12.613	35.486	26.847	160.76	.075	.471
124	12.597	35.481	26.847	161.08	.072	.469
126	12.578	35.479	26.849	159.60	.076	.469
128	12.532	35.475	26.855	158.91	.076	.467
130	12.479	35.469	26.861	159.56	.078	.467
132	12.490	35.479	26.866	158.45	.073	.466
134	12.506	35.482	26.866	157.75	.070	.466

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
136	12.504	35.479	26.864	157.98	.072	.466
138	12.465	35.469	26.863	157.23	.068	.467
140	12.444	35.469	26.868	158.08	.069	.467
142	12.416	35.463	26.869	157.30	.073	.467
144	12.401	35.462	26.871	157.14	.076	.467
146	12.363	35.455	26.873	157.57	.073	.467
148	12.313	35.444	26.874	157.18	.073	.468
150	12.329	35.469	26.890	157.19	.073	.467
155	12.367	35.493	26.901	152.39	.067	.463
160	12.345	35.496	26.908	150.29	.068	.472
165	12.137	35.484	26.939	152.12	.063	.462
170	12.095	35.484	26.947	152.00	.062	.462
175	12.036	35.477	26.953	149.21	.058	.462
180	11.964	35.480	26.969	147.85	.062	.461
185	11.937	35.476	26.971	150.08	.058	.462
190	11.856	35.467	26.980	149.39	.062	.462
195	11.794	35.465	26.991	146.28	.055	.462
200	11.591	35.418	26.992	145.23	.055	.462
205	11.338	35.421	27.042	144.34	.052	.461
210	11.233	35.403	27.047	141.66	.058	.462
215	11.072	35.385	27.063	141.55	.057	.464
220	10.798	35.354	27.088	141.46	.058	.465
225	10.638	35.340	27.106	140.56	.054	.467
230	10.236	35.292	27.140	139.41	.051	.454
235	9.932	35.243	27.154	138.19	.052	.454
240	9.856	35.258	27.179	138.00	.047	.454
245	9.772	35.241	27.180	138.17	.053	.454
250	9.595	35.219	27.192	139.46	.056	.454
255	9.482	35.219	27.211	140.61	.053	.455
260	9.181	35.181	27.231	142.78	.053	.455
265	9.150	35.186	27.240	142.80	.051	.455
270	9.105	35.180	27.243	142.15	.051	.455
275	9.076	35.178	27.246	142.29	.053	.456
280	9.020	35.175	27.252	143.02	.053	.457
285	8.969	35.170	27.257	144.72	.050	.462
290	8.880	35.163	27.265	144.83	.053	.458
295	8.848	35.161	27.269	145.34	.051	.457
300	8.701	35.150	27.284	147.12	.049	.462
310	8.384	35.132	27.319	151.96	.053	.458
320	8.311	35.129	27.328	152.66	.051	.461
330	8.252	35.125	27.334	154.24	.053	.462
340	7.889	35.104	27.372	160.54	.048	.459
350	7.622	35.092	27.403	168.27	.049	.458
360	7.586	35.090	27.406	169.87	.051	.458
370	7.160	35.072	27.453	178.61	.050	.461
380	6.999	35.066	27.471	183.88	.050	.460
390	6.868	35.061	27.485	189.69	.052	.460
400	6.598	35.048	27.512	193.37	.043	.464
410	6.504	35.046	27.523	195.88	.051	.471
420	6.455	35.046	27.530	200.24	.049	.471
430	6.391	35.045	27.538	200.11	.048	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
440	6.354	35.043	27.541	200.50	.054	.480
450	6.265	35.039	27.549	202.59	.052	.475
460	6.116	35.039	27.569	206.58	.046	.466
470	6.048	35.028	27.569	209.75	.047	.468
480	5.927	35.028	27.584	212.99	.052	.471
490	5.889	35.029	27.590	213.06	.048	.474
500	5.864	35.030	27.594	213.02	.046	.476
510	5.847	35.030	27.596	213.87	.042	.478
520	5.765	35.027	27.604	214.72	.047	.489
530	5.675	35.021	27.610	216.33	.044	.491
540	5.593	35.022	27.622	220.06	.043	.485
550	5.532	35.017	27.625	219.53	.047	.487
560	5.509	35.019	27.630	221.56	.047	.485
570	5.489	35.019	27.632	222.21	.046	.489
580	5.217	35.007	27.656	230.61	.046	.497
590	5.149	35.005	27.662	230.85	.043	.490
600	5.118	35.004	27.665	235.60	.044	.490
610	5.059	35.004	27.672	237.12	.044	.494
620	5.037	35.002	27.673	236.98	.047	.494
630	4.984	34.999	27.677	238.66	.045	.494
640	4.961	35.000	27.680	241.42	.043	.484
650	4.926	34.998	27.682	244.56	.047	.484
660	4.877	34.997	27.688	245.08	.040	.487
670	4.880	34.997	27.687	243.36	.047	.487
680	4.870	34.997	27.688	243.31	.044	.489
690	4.863	34.998	27.690	242.68	.044	.488
700	4.857	34.997	27.689	242.02	.044	.488
710	4.845	34.997	27.691	240.15	.043	.489
720	4.834	34.997	27.692	238.09	.043	.496
730	4.836	34.998	27.693	235.43	.047	.496
740	4.792	34.995	27.695	231.59	.046	.511
743	4.791	34.995	27.696	238.69	.043	.513
744	4.782	34.994	27.696	237.40	.044	.514
745	4.773	34.992	27.695	237.02	.042	.514
746	4.764	34.992	27.696	238.89	.045	.515
747	4.754	34.994	27.699	241.56	.041	.515
748	4.751	34.993	27.698	242.27	.043	.515
749	4.744	34.993	27.699	242.47	.041	.513
750	4.744	34.993	27.700	242.47	.044	.513
751	4.740	34.994	27.700	240.09	.051	.514
752	4.735	34.990	27.698	239.56	.045	.514
753	4.712	34.993	27.703	239.03	.042	.515
754	4.700	34.991	27.703	237.45	.043	.519
755	4.703	34.993	27.704	237.82	.043	.518
756	4.705	34.993	27.704	239.11	.047	.518

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
37	18 NOV 88	0200	36 51.70	74 32.44	1287	1285

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.380	33.750	25.142	264.32	.665	.653
3	14.385	33.747	25.139	258.73	.650	.641
4	14.386	33.747	25.138	257.97	.627	.642
5	14.387	33.746	25.138	259.81	.588	.643
6	14.389	33.744	25.136	261.31	.588	.642
7	14.387	33.745	25.137	262.18	.602	.641
8	14.388	33.746	25.138	261.19	.682	.642
9	14.389	33.744	25.136	261.37	.644	.642
10	14.387	33.745	25.137	261.41	.642	.642
11	14.388	33.745	25.137	262.89	.658	.642
12	14.387	33.745	25.136	265.43	.760	.642
13	14.386	33.743	25.136	266.34	.685	.642
14	14.391	33.752	25.142	265.76	.656	.642
15	14.395	33.755	25.143	265.74	.705	.641
16	14.396	33.754	25.141	265.29	.708	.642
17	14.396	33.756	25.143	264.84	.700	.641
18	14.400	33.767	25.151	264.18	.699	.640
19	14.402	33.771	25.154	264.38	.697	.639
20	14.403	33.770	25.152	264.39	.699	.639
21	14.403	33.771	25.154	265.55	.688	.638
22	14.403	33.775	25.157	264.89	.716	.640
23	14.405	33.775	25.156	263.43	.697	.640
24	14.405	33.777	25.158	263.46	.696	.641
25	14.406	33.778	25.158	263.10	.699	.639
26	14.407	33.784	25.163	262.71	.687	.632
27	14.409	33.789	25.166	262.54	.671	.634
28	14.410	33.791	25.167	261.83	.670	.633
29	14.414	33.802	25.175	261.78	.680	.627
30	14.418	33.812	25.182	261.75	.670	.623
31	14.423	33.823	25.190	262.53	.644	.616
32	14.425	33.827	25.192	264.02	.624	.612
33	14.434	33.852	25.210	260.91	.621	.601
34	14.441	33.872	25.223	260.09	.603	.592
35	14.449	33.904	25.246	259.82	.609	.574
36	14.477	33.978	25.297	259.76	.553	.541
37	14.490	33.975	25.293	259.65	.409	.537
38	14.501	33.984	25.297	258.86	.358	.532
39	14.508	33.988	25.299	258.16	.348	.529
40	14.515	33.994	25.302	257.23	.393	.527
41	14.525	33.997	25.302	254.84	.387	.527
42	14.687	34.192	25.418	250.64	.312	.516

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.868	34.342	25.494	246.78	.262	.509
44	14.974	34.371	25.493	243.80	.230	.507
45	15.027	34.416	25.516	241.11	.212	.505
46	15.047	34.430	25.523	238.83	.197	.498
47	15.054	34.432	25.523	236.94	.289	.497
48	15.065	34.446	25.531	235.22	.414	.497
49	15.078	34.457	25.537	234.46	.337	.494
50	15.091	34.473	25.546	233.92	.217	.494
52	15.135	34.539	25.588	233.91	.184	.492
54	15.143	34.555	25.598	234.30	.198	.494
56	15.150	34.612	25.640	234.98	.185	.490
58	15.132	34.652	25.676	231.50	.159	.488
60	14.966	34.737	25.777	230.73	.381	.483
62	14.988	34.867	25.873	223.39	.271	.481
64	14.793	34.760	25.833	217.32	.162	.479
66	13.795	34.561	25.891	216.08	.122	.484
68	13.300	34.560	25.992	209.41	.145	.484
70	13.319	34.584	26.007	201.04	.133	.490
72	13.294	34.593	26.019	195.47	.119	.484
74	12.951	34.540	26.047	197.71	.115	.484
76	12.920	34.678	26.160	197.05	.129	.486
78	13.441	34.868	26.202	189.79	.113	.479
80	13.018	34.907	26.318	191.37	.110	.483
82	13.030	35.023	26.406	187.73	.106	.481
84	13.041	35.060	26.432	184.57	.098	.477
86	13.045	35.141	26.494	180.68	.095	.480
88	12.989	35.245	26.586	179.02	.091	.471
90	13.050	35.302	26.617	177.37	.086	.466
92	13.091	35.332	26.633	175.87	.084	.465
94	13.065	35.324	26.632	175.71	.098	.464
96	13.000	35.321	26.642	174.42	.088	.464
98	12.936	35.318	26.653	174.98	.085	.465
100	12.859	35.336	26.683	172.69	.081	.465
102	12.830	35.352	26.701	171.06	.084	.467
104	12.825	35.361	26.708	171.80	.081	.465
106	12.823	35.365	26.712	169.38	.081	.467
108	12.801	35.381	26.729	169.18	.077	.464
110	12.802	35.405	26.747	168.20	.074	.463
112	12.830	35.427	26.759	167.91	.074	.462
114	12.838	35.433	26.762	167.54	.072	.462
116	12.876	35.467	26.780	165.91	.073	.461
118	12.896	35.475	26.783	167.03	.073	.461
120	12.857	35.477	26.792	166.20	.069	.460
122	12.838	35.505	26.817	165.76	.069	.461
124	12.817	35.502	26.819	164.13	.066	.460
126	12.829	35.542	26.848	162.21	.063	.459
128	12.844	35.559	26.858	161.57	.062	.458
130	12.863	35.565	26.859	159.44	.062	.459
132	12.831	35.549	26.853	156.57	.055	.459
134	12.739	35.539	26.864	158.07	.065	.459
136	12.687	35.537	26.872	156.38	.062	.459

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.648	35.536	26.880	155.73	.057	.459
140	12.604	35.540	26.892	156.30	.058	.459
142	12.574	35.538	26.896	154.67	.061	.459
144	12.532	35.537	26.903	153.79	.060	.459
146	12.474	35.525	26.906	151.81	.057	.459
148	12.388	35.522	26.920	152.43	.053	.459
150	12.371	35.533	26.932	150.80	.057	.457
155	12.246	35.523	26.948	148.19	.054	.454
160	12.194	35.523	26.958	146.57	.053	.455
165	12.116	35.516	26.968	146.24	.054	.455
170	12.034	35.502	26.974	145.69	.053	.456
175	11.911	35.488	26.986	143.31	.054	.455
180	11.744	35.472	27.005	142.28	.052	.456
185	11.653	35.465	27.017	142.16	.052	.457
190	11.449	35.437	27.033	141.54	.052	.455
195	11.288	35.419	27.050	139.52	.055	.454
200	10.990	35.384	27.077	140.60	.051	.454
205	10.936	35.382	27.085	139.67	.051	.454
210	10.788	35.348	27.086	139.07	.051	.454
215	10.606	35.339	27.111	137.99	.054	.454
220	10.526	35.327	27.116	137.91	.055	.453
225	10.459	35.323	27.124	138.81	.053	.454
230	10.400	35.317	27.130	137.58	.053	.454
235	10.316	35.304	27.135	136.19	.051	.454
240	10.222	35.294	27.144	136.19	.049	.454
245	9.953	35.253	27.158	137.06	.050	.454
250	9.781	35.236	27.174	137.23	.055	.454
255	9.711	35.231	27.182	138.18	.049	.453
260	9.564	35.217	27.196	138.90	.050	.453
265	9.443	35.208	27.209	139.07	.052	.453
270	9.434	35.211	27.212	138.91	.050	.453
275	9.332	35.179	27.204	139.33	.050	.453
280	9.262	35.192	27.226	137.88	.053	.454
285	9.170	35.177	27.230	140.11	.049	.453
290	9.032	35.167	27.244	141.14	.048	.454
295	8.867	35.141	27.250	142.32	.051	.453
300	8.720	35.134	27.268	143.19	.054	.453
310	8.572	35.124	27.284	145.57	.052	.454
320	8.304	35.104	27.310	147.80	.048	.457
330	8.239	35.102	27.318	149.64	.052	.454
340	8.138	35.099	27.331	149.95	.047	.454
350	7.947	35.083	27.347	153.62	.048	.455
360	7.793	35.086	27.373	158.38	.048	.457
370	7.577	35.085	27.404	165.24	.045	.454
380	7.317	35.074	27.433	172.10	.050	.453
390	7.091	35.053	27.448	179.20	.048	.454
400	6.859	35.058	27.484	187.20	.046	.452
410	6.679	35.048	27.501	192.21	.045	.453
420	6.596	35.051	27.515	194.79	.046	.453
430	6.475	35.048	27.529	198.95	.048	.452
440	6.323	35.042	27.544	203.39	.048	.453

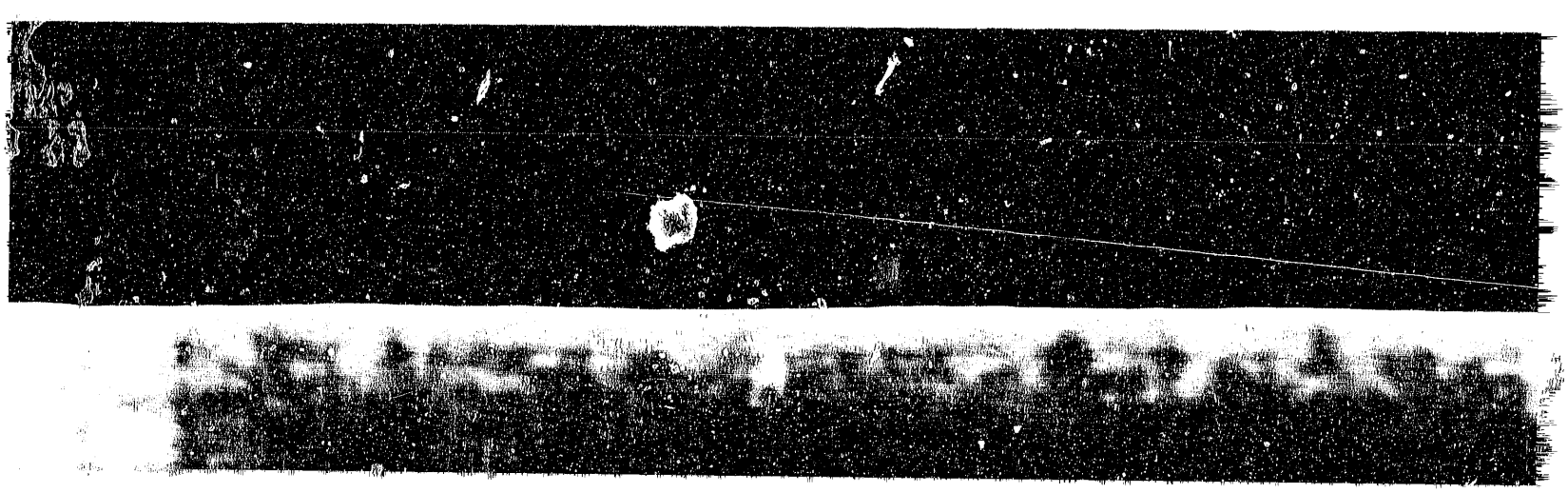
PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.269	35.042	27.551	203.41	.050	.452
460	6.177	35.039	27.561	205.90	.047	.451
470	6.105	35.038	27.569	207.02	.041	.453
480	6.041	35.037	27.577	209.63	.046	.453
490	5.907	35.023	27.583	212.72	.043	.453
500	5.843	35.029	27.596	213.49	.045	.453
510	5.786	35.028	27.602	215.18	.048	.452
520	5.736	35.031	27.611	217.49	.047	.452
530	5.635	35.026	27.619	217.62	.043	.449
540	5.522	35.022	27.630	223.07	.043	.449
550	5.417	35.010	27.634	226.31	.044	.450
560	5.303	35.007	27.645	228.55	.042	.454
570	5.256	35.011	27.654	229.71	.046	.454
580	5.233	35.010	27.656	231.50	.042	.454
590	5.207	35.006	27.656	234.13	.041	.455
600	5.153	35.007	27.663	236.62	.043	.454
610	5.110	35.003	27.665	238.40	.041	.454
620	5.059	35.002	27.670	240.49	.041	.452
630	5.028	35.003	27.674	242.86	.040	.452
640	5.001	34.999	27.675	242.69	.044	.452
650	4.939	34.999	27.682	243.80	.040	.450
660	4.909	35.000	27.686	245.61	.042	.449
670	4.892	35.000	27.688	245.47	.042	.448
680	4.867	34.998	27.689	245.98	.044	.447
690	4.834	34.998	27.693	247.05	.044	.447
700	4.796	34.995	27.695	246.85	.041	.446
710	4.775	34.996	27.699	248.28	.040	.447
720	4.752	34.994	27.700	248.74	.041	.445
730	4.749	34.996	27.701	249.14	.042	.446
740	4.712	34.991	27.702	248.62	.045	.445
750	4.655	34.988	27.705	250.85	.043	.447
760	4.619	34.987	27.709	251.55	.043	.449
770	4.618	34.987	27.709	252.00	.045	.446
780	4.589	34.982	27.709	250.33	.037	.446
790	4.571	34.986	27.713	252.68	.039	.446
800	4.566	34.986	27.714	252.12	.041	.446
810	4.542	34.985	27.716	253.40	.041	.447
820	4.527	34.984	27.717	252.15	.044	.447
830	4.512	34.983	27.718	252.19	.042	.448
840	4.491	34.982	27.719	253.30	.039	.450
850	4.489	34.982	27.719	254.48	.042	.452
860	4.483	34.982	27.720	253.95	.038	.451
870	4.461	34.979	27.720	255.21	.038	.450
880	4.419	34.981	27.726	256.19	.040	.445
890	4.405	34.981	27.728	256.41	.040	.444
900	4.403	34.980	27.727	257.35	.041	.444
910	4.393	34.979	27.727	256.56	.040	.444
920	4.386	34.978	27.728	257.05	.038	.443
930	4.367	34.978	27.730	257.96	.042	.443
940	4.351	34.977	27.731	258.70	.038	.442
950	4.333	34.977	27.732	259.17	.040	.441

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.331	34.976	27.732	259.03	.040	.441
970	4.318	34.975	27.733	257.76	.039	.442
980	4.305	34.975	27.734	257.33	.038	.444
990	4.299	34.976	27.735	259.45	.039	.441
1000	4.291	34.975	27.735	258.21	.042	.442
1010	4.287	34.975	27.736	257.62	.039	.441
1020	4.286	34.974	27.736	259.41	.039	.442
1030	4.281	34.975	27.736	258.67	.038	.440
1040	4.273	34.973	27.736	258.99	.040	.441
1050	4.259	34.974	27.738	261.77	.042	.442
1060	4.226	34.973	27.741	260.67	.040	.445
1070	4.210	34.972	27.742	259.78	.039	.446
1080	4.199	34.972	27.743	260.94	.038	.445
1090	4.192	34.972	27.744	261.87	.039	.445
1100	4.185	34.972	27.745	261.86	.038	.445
1110	4.167	34.971	27.746	264.15	.039	.446
1120	4.157	34.969	27.745	262.99	.036	.445
1130	4.154	34.970	27.746	263.47	.034	.445
1140	4.157	34.971	27.747	263.77	.041	.445
1150	4.159	34.970	27.746	261.57	.036	.446
1160	4.161	34.970	27.745	262.77	.038	.445
1170	4.165	34.971	27.746	262.78	.039	.445
1180	4.169	34.973	27.747	263.44	.036	.445
1190	4.169	34.971	27.745	263.66	.038	.445
1200	4.169	34.971	27.745	262.95	.036	.445
1210	4.166	34.971	27.746	264.35	.039	.445
1220	4.161	34.972	27.747	259.86	.039	.446
1230	4.145	34.969	27.747	258.58	.039	.449
1240	4.127	34.969	27.748	259.89	.036	.453
1250	4.122	34.969	27.749	260.15	.038	.454
1260	4.115	34.968	27.749	258.90	.035	.456
1270	4.077	34.967	27.752	258.20	.038	.454
1272	4.079	34.968	27.753	258.59	.035	.459
1273	4.081	34.967	27.752	259.09	.034	.454
1274	4.079	34.967	27.752	259.56	.033	.454
1275	4.078	34.967	27.752	261.71	.035	.454
1276	4.075	34.967	27.752	261.25	.038	.455
1277	4.075	34.967	27.752	259.85	.035	.455
1278	4.075	34.967	27.752	260.87	.036	.454
1279	4.075	34.967	27.752	261.37	.038	.454
1280	4.067	34.964	27.751	261.77	.031	.456
1281	4.056	34.965	27.752	262.06	.037	.457
1282	4.048	34.966	27.754	263.74	.038	.458
1283	4.028	34.964	27.755	263.17	.038	.459
1284	4.013	34.966	27.758	260.04	.038	.462
1285	4.011	34.967	27.759	258.35	.038	.462
1286	4.011	34.967	27.759	259.21	.039	.464

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
38	18 NOV 88	0342	36 51.30	74 28.81	1675	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.238	33.563	25.028	--------	.850	.766
3	14.239	33.562	25.027	257.72	.863	.764
4	14.254	33.566	25.027	257.87	.855	.759
5	14.256	33.567	25.027	258.60	.865	.759
6	14.259	33.567	25.026	257.96	.853	.760
7	14.261	33.567	25.026	256.34	.862	.757
8	14.256	33.563	25.024	255.40	.866	.762
9	14.242	33.559	25.024	255.76	.863	.765
10	14.241	33.560	25.025	254.70	.868	.763
11	14.236	33.561	25.026	253.98	.894	.765
12	14.236	33.561	25.027	253.91	.921	.765
13	14.245	33.564	25.027	254.67	.930	.762
14	14.242	33.562	25.026	255.69	.928	.762
15	14.248	33.568	25.029	257.23	.937	.763
16	14.249	33.566	25.027	258.25	.940	.761
17	14.297	33.619	25.059	258.71	.940	.733
18	14.364	33.661	25.077	259.17	.883	.701
19	14.442	33.726	25.110	257.96	.796	.651
20	14.488	33.753	25.122	257.54	.685	.622
21	14.493	33.759	25.125	257.52	.637	.613
22	14.489	33.768	25.133	258.68	.610	.628
23	14.474	33.775	25.142	260.09	.594	.624
24	14.463	33.787	25.153	260.40	.780	.620
25	14.458	33.802	25.166	260.61	.726	.615
26	14.454	33.814	25.176	260.19	.642	.612
27	14.452	33.824	25.184	260.44	.618	.612
28	14.449	33.834	25.192	260.63	.671	.613
29	14.447	33.843	25.199	259.48	.754	.620
30	14.447	33.849	25.204	258.23	.683	.618
31	14.451	33.861	25.213	256.95	.660	.620
32	14.460	33.886	25.230	256.35	.635	.602
33	14.501	33.982	25.295	255.85	.562	.558
34	14.514	33.982	25.293	255.21	.461	.550
35	14.517	33.982	25.292	254.29	.418	.549
36	14.522	33.984	25.292	253.91	.409	.548
37	14.525	33.986	25.293	253.59	.402	.544
38	14.527	33.988	25.295	253.02	.387	.543
39	14.529	33.990	25.296	253.09	.454	.542
40	14.533	33.993	25.297	251.19	.422	.540
41	14.557	34.026	25.318	248.89	.373	.533
42	14.650	34.137	25.383	246.74	.343	.521

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	14.699	34.172	25.399	246.25	.296	.513
44	14.734	34.193	25.408	246.29	.265	.510
45	14.789	34.247	25.438	244.86	.312	.509
46	14.868	34.328	25.483	242.22	.257	.506
47	14.944	34.404	25.525	240.21	.224	.500
48	14.959	34.408	25.525	239.90	.214	.499
49	14.956	34.409	25.527	239.17	.225	.499
50	14.953	34.411	25.529	238.69	.217	.499
52	14.907	34.401	25.531	235.66	.266	.496
54	14.461	34.354	25.591	234.39	.188	.499
56	14.026	34.411	25.727	232.46	.216	.493
58	13.956	34.474	25.790	222.40	.150	.494
60	13.922	34.476	25.799	211.76	.141	.489
62	13.704	34.460	25.832	211.03	.135	.488
64	13.439	34.478	25.900	210.27	.129	.486
66	13.337	34.511	25.947	205.47	.119	.484
68	13.222	34.575	26.019	201.40	.116	.483
70	13.133	34.594	26.052	199.87	.135	.483
72	13.074	34.590	26.061	199.26	.149	.483
74	12.979	34.581	26.073	199.35	.117	.481
76	12.896	34.564	26.077	198.25	.118	.482
78	12.955	34.760	26.217	195.25	.157	.479
80	13.072	34.807	26.229	193.05	.124	.477
82	13.061	34.846	26.262	191.64	.112	.473
84	13.002	34.878	26.298	192.06	.107	.473
86	12.992	34.888	26.308	189.94	.109	.474
88	12.990	34.894	26.313	189.37	.106	.474
90	13.026	34.956	26.354	188.19	.102	.473
92	13.080	35.025	26.397	186.19	.097	.471
94	13.012	35.066	26.443	182.76	.100	.470
96	12.871	35.151	26.536	181.26	.091	.468
98	12.804	35.279	26.649	177.84	.083	.469
100	12.765	35.310	26.681	173.81	.088	.467
102	12.751	35.339	26.706	170.62	.095	.466
104	12.766	35.358	26.718	169.54	.081	.464
106	12.771	35.376	26.731	167.48	.073	.464
108	12.697	35.382	26.750	166.86	.070	.466
110	12.666	35.387	26.760	165.21	.084	.468
112	12.617	35.391	26.773	164.82	.077	.469
114	12.572	35.389	26.780	163.50	.078	.471
116	12.537	35.399	26.795	163.19	.072	.472
118	12.539	35.408	26.801	162.96	.077	.471
120	12.547	35.416	26.806	162.45	.109	.471
122	12.522	35.442	26.832	161.24	.078	.469
124	12.467	35.447	26.846	160.57	.076	.468
126	12.436	35.460	26.862	158.54	.068	.465
128	12.423	35.501	26.897	156.65	.067	.460
130	12.380	35.522	26.921	155.26	.060	.458
132	12.393	35.548	26.939	153.69	.057	.455
134	12.374	35.547	26.942	151.95	.056	.454
136	12.366	35.549	26.945	150.28	.054	.454



PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.352	35.548	26.947	149.87	.050	.454
140	12.345	35.547	26.948	147.43	.049	.454
142	12.332	35.547	26.950	147.99	.050	.454
144	12.331	35.549	26.952	148.92	.053	.457
146	12.327	35.548	26.952	148.33	.052	.454
148	12.327	35.548	26.952	148.28	.051	.454
150	12.322	35.547	26.953	148.14	.052	.454
155	12.179	35.503	26.946	145.52	.055	.454
160	12.004	35.511	26.986	144.15	.050	.454
165	11.932	35.499	26.991	143.95	.050	.454
170	11.802	35.485	27.004	143.04	.052	.453
175	11.666	35.462	27.012	142.53	.048	.454
180	11.426	35.442	27.042	141.08	.049	.454
185	11.317	35.422	27.046	140.10	.050	.453
190	10.969	35.378	27.076	141.07	.049	.453
195	10.888	35.377	27.090	139.43	.049	.453
200	10.812	35.369	27.097	139.71	.052	.454
205	10.718	35.351	27.100	140.15	.046	.453
210	10.608	35.340	27.111	138.89	.051	.452
215	10.492	35.324	27.119	138.40	.054	.452
220	10.401	35.314	27.128	138.68	.053	.451
225	10.226	35.277	27.129	138.50	.048	.452
230	10.159	35.287	27.149	138.32	.051	.452
235	9.946	35.244	27.153	139.05	.050	.451
240	9.819	35.238	27.169	139.12	.050	.451
245	9.647	35.214	27.180	139.76	.050	.450
250	9.493	35.206	27.199	139.99	.067	.450
255	9.488	35.208	27.202	138.86	.088	.450
260	9.454	35.200	27.201	138.88	.051	.451
265	9.319	35.184	27.210	140.47	.048	.451
270	9.252	35.179	27.217	139.62	.057	.451
275	9.078	35.153	27.226	139.47	.049	.452
280	8.992	35.149	27.237	140.04	.051	.452
285	8.815	35.121	27.243	139.57	.051	.453
290	8.632	35.110	27.263	141.99	.051	.453
295	8.551	35.106	27.273	141.76	.053	.453
300	8.398	35.094	27.287	143.28	.050	.454
310	8.289	35.079	27.293	144.08	.050	.454
320	8.193	35.084	27.311	147.10	.049	.455
330	8.088	35.087	27.329	148.43	.051	.454
340	8.042	35.098	27.345	152.11	.046	.454
350	7.796	35.098	27.381	161.16	.045	.453
360	7.757	35.096	27.386	163.65	.046	.453
370	7.442	35.087	27.425	166.37	.047	.452
380	7.291	35.088	27.448	176.66	.041	.452
390	7.235	35.086	27.453	178.24	.045	.451
400	7.129	35.084	27.467	180.17	.042	.451
410	7.000	35.082	27.483	183.17	.041	.451
420	6.739	35.077	27.515	189.66	.044	.450
430	6.679	35.081	27.527	195.41	.044	.449
440	6.510	35.072	27.543	200.19	.043	.448

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.413	35.067	27.552	201.73	.043	.449
460	6.322	35.060	27.558	202.69	.042	.449
470	6.117	35.035	27.566	207.20	.045	.449
480	5.932	35.027	27.583	213.74	.047	.450
490	5.771	35.030	27.606	218.86	.043	.451
500	5.750	35.025	27.605	217.37	.043	.450
510	5.640	35.020	27.615	218.53	.046	.454
520	5.571	35.019	27.622	223.33	.046	.455
530	5.510	35.016	27.627	221.36	.040	.457
540	5.439	35.009	27.630	222.63	.041	.458
550	5.371	35.011	27.640	227.35	.046	.454
560	5.256	35.001	27.646	228.42	.047	.461
570	5.216	35.005	27.654	229.52	.044	.457
580	5.164	35.004	27.659	229.69	.045	.464
590	5.137	35.002	27.661	232.43	.045	.466
600	5.090	35.002	27.666	236.10	.042	.466
610	5.055	35.000	27.669	237.67	.038	.464
620	5.024	34.997	27.670	240.63	.042	.462
630	4.986	34.998	27.676	242.72	.043	.460
640	4.945	34.996	27.678	242.65	.042	.460
650	4.921	34.997	27.682	243.57	.044	.459
660	4.893	34.998	27.686	244.95	.040	.454
670	4.871	34.997	27.688	245.78	.042	.453
680	4.839	34.995	27.690	246.07	.041	.453
690	4.807	34.994	27.693	246.56	.040	.455
700	4.793	34.993	27.694	246.64	.039	.454
710	4.758	34.990	27.695	246.09	.046	.458
720	4.742	34.990	27.697	246.38	.041	.460
730	4.705	34.986	27.699	246.26	.040	.460
740	4.688	34.987	27.701	247.25	.038	.462
750	4.674	34.987	27.702	249.49	.040	.461
760	4.664	34.987	27.704	249.64	.041	.460
770	4.635	34.987	27.707	249.26	.044	.459
780	4.624	34.985	27.707	249.28	.040	.459
790	4.614	34.986	27.709	250.94	.041	.460
800	4.609	34.985	27.708	250.35	.040	.461
810	4.587	34.982	27.708	251.92	.040	.457
820	4.556	34.984	27.713	249.85	.038	.454
830	4.545	34.983	27.714	252.37	.037	.454
840	4.510	34.982	27.717	252.91	.037	.454
850	4.491	34.981	27.718	253.38	.038	.454
860	4.474	34.981	27.720	253.85	.038	.454
870	4.460	34.981	27.722	255.15	.039	.453
880	4.444	34.980	27.723	253.77	.037	.453
890	4.427	34.980	27.724	255.72	.035	.452
900	4.421	34.979	27.724	255.76	.042	.451
910	4.417	34.979	27.725	254.52	.037	.450
920	4.404	34.979	27.727	254.32	.037	.450
930	4.405	34.979	27.726	255.74	.040	.450
940	4.388	34.977	27.726	255.91	.037	.449
950	4.372	34.977	27.728	256.79	.039	.448

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.370	34.977	27.729	255.90	.036	.449
970	4.360	34.976	27.729	257.23	.038	.449
980	4.355	34.977	27.730	256.17	.042	.449
990	4.342	34.976	27.731	256.37	.039	.449
1000	4.322	34.976	27.733	256.25	.041	.448
1010	4.301	34.975	27.735	258.07	.040	.448
1020	4.294	34.975	27.735	257.40	.038	.446
1030	4.281	34.975	27.736	257.82	.041	.445
1040	4.275	34.974	27.736	257.09	.037	.445
1050	4.272	34.974	27.737	257.05	.039	.445
1060	4.253	34.973	27.738	258.71	.036	.445
1070	4.247	34.973	27.738	259.56	.038	.445
1080	4.248	34.974	27.739	262.67	.037	.446
1090	4.240	34.972	27.739	263.19	.039	.447
1100	4.230	34.972	27.740	263.59	.038	.447
1110	4.216	34.972	27.741	262.90	.039	.448
1120	4.205	34.972	27.742	263.54	.037	.448
1130	4.194	34.971	27.743	262.51	.032	.448
1140	4.189	34.970	27.743	264.02	.038	.449
1150	4.186	34.970	27.743	263.90	.037	.449
1160	4.169	34.968	27.743	264.40	.038	.451
1170	4.155	34.968	27.744	264.37	.040	.450
1180	4.139	34.969	27.747	265.50	.038	.450
1190	4.130	34.967	27.747	263.69	.038	.450
1200	4.084	34.967	27.752	265.46	.039	.446
1210	4.075	34.966	27.751	266.42	.038	.445
1220	4.065	34.966	27.752	266.16	.039	.445
1230	4.056	34.965	27.753	266.27	.036	.447
1240	4.055	34.966	27.754	265.75	.037	.445
1250	4.052	34.966	27.753	266.99	.038	.444
1260	4.037	34.966	27.755	268.24	.035	.444
1270	4.023	34.964	27.755	266.22	.034	.444
1280	4.017	34.965	27.757	266.84	.034	.443
1290	4.005	34.963	27.757	266.98	.037	.446
1300	3.989	34.963	27.758	265.71	.037	.448
1310	3.984	34.964	27.759	267.23	.036	.446
1320	3.969	34.964	27.761	265.76	.037	.446
1330	3.953	34.963	27.762	268.58	.035	.449
1340	3.950	34.963	27.762	268.05	.035	.448
1350	3.947	34.964	27.763	268.07	.037	.448
1360	3.942	34.964	27.764	267.69	.034	.448
1370	3.927	34.962	27.764	269.31	.041	.449
1380	3.919	34.964	27.766	269.74	.034	.449
1390	3.918	34.964	27.766	268.21	.035	.451
1400	3.918	34.963	27.765	267.35	.034	.452
1410	3.913	34.963	27.766	267.31	.033	.451
1420	3.909	34.963	27.767	267.50	.037	.451
1430	3.907	34.963	27.767	266.38	.032	.452
1440	3.905	34.964	27.767	267.12	.035	.452
1450	3.905	34.963	27.767	270.39	.036	.450
1460	3.905	34.963	27.767	269.51	.035	.450

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1470	3.901	34.964	27.768	267.80	.036	.448
1480	3.902	34.964	27.768	268.69	.035	.449
1490	3.899	34.964	27.768	268.90	.036	.449
1500	3.896	34.962	27.767	266.87	.036	.447

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
39	18 NOV 88	0525	36 51.05	74 24.84	1940	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	14.166	33.596	25.068	248.97	.764	.699
6	14.172	33.597	25.068	248.94	.782	.697
7	14.169	33.596	25.067	249.44	.796	.698
8	14.169	33.599	25.070	249.60	.813	.697
9	14.170	33.597	25.068	250.17	.809	.700
10	14.169	33.599	25.070	251.92	.795	.697
11	14.168	33.598	25.069	253.43	.802	.699
12	14.171	33.600	25.070	254.33	.803	.700
13	14.168	33.600	25.071	255.12	.805	.699
14	14.172	33.608	25.076	255.65	.830	.697
15	14.237	33.651	25.096	255.46	.843	.693
16	14.261	33.647	25.088	256.31	.813	.692
17	14.277	33.657	25.092	256.70	.815	.693
18	14.302	33.672	25.098	257.08	.994	.688
19	14.339	33.700	25.112	256.20	.919	.681
20	14.368	33.708	25.112	256.92	.831	.675
21	14.371	33.702	25.107	257.74	.793	.675
22	14.398	33.731	25.124	257.76	.794	.668
23	14.409	33.735	25.124	258.15	.800	.659
24	14.440	33.753	25.132	258.93	.766	.648
25	14.461	33.764	25.136	258.73	.747	.642
26	14.462	33.763	25.135	259.00	.727	.645
27	14.477	33.776	25.141	257.71	.708	.641
28	14.497	33.794	25.151	258.08	.697	.634
29	14.500	33.804	25.158	259.22	.666	.631
30	14.500	33.809	25.162	260.41	.676	.628
31	14.495	33.821	25.172	261.15	.758	.629
32	14.485	33.837	25.187	260.80	.685	.617
33	14.476	33.849	25.198	261.89	.612	.601
34	14.467	33.857	25.206	262.71	.581	.594
35	14.457	33.871	25.219	262.34	.560	.586
36	14.454	33.893	25.237	261.80	.544	.581
37	14.457	33.913	25.252	261.37	.528	.574
38	14.452	33.915	25.254	261.56	.512	.563
39	14.445	33.919	25.259	260.51	.485	.556
40	14.442	33.937	25.273	258.82	.454	.544
41	14.463	33.963	25.289	257.21	.437	.545
42	14.474	33.961	25.285	256.28	.425	.547
43	14.496	34.005	25.315	255.18	.431	.540
44	14.517	34.043	25.339	253.30	.389	.527
45	14.418	34.026	25.347	252.28	.370	.520

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
46	14.335	34.047	25.381	249.75	.377	.516
47	14.182	34.045	25.412	247.32	.285	.509
48	14.045	34.102	25.484	243.92	.279	.511
49	14.015	34.149	25.527	237.80	.252	.509
50	14.005	34.196	25.565	231.41	.205	.517
52	14.153	34.340	25.646	217.46	.267	.500
54	14.007	34.340	25.677	215.03	.167	.495
56	13.698	34.415	25.798	216.43	.154	.490
58	13.719	34.485	25.848	213.42	.129	.489
60	14.375	34.826	25.974	204.08	.139	.478
62	15.183	35.030	25.956	201.57	.118	.471
64	15.002	34.916	25.907	212.11	.128	.471
66	15.081	35.181	26.095	212.10	.109	.468
68	15.645	35.347	26.097	207.55	.101	.462
70	15.790	35.348	26.064	204.04	.098	.461
72	15.709	35.338	26.075	203.05	.096	.463
74	15.551	35.429	26.180	201.64	.096	.460
76	15.478	35.452	26.215	194.48	.092	.460
78	15.163	35.405	26.249	190.67	.090	.459
80	14.931	35.369	26.273	187.27	.089	.460
82	14.812	35.392	26.316	185.19	.095	.459
84	15.038	35.554	26.392	180.89	.092	.458
86	15.034	35.572	26.407	178.68	.088	.459
88	14.594	35.474	26.427	178.25	.094	.459
90	14.466	35.498	26.473	176.10	.099	.457
92	14.213	35.466	26.503	176.29	.091	.458
94	14.379	35.672	26.626	173.00	.085	.455
96	14.589	35.677	26.585	172.91	.088	.455
98	14.673	35.705	26.588	171.14	.083	.454
100	14.628	35.696	26.591	169.23	.080	.454
102	14.575	35.713	26.616	168.03	.077	.454
104	14.553	35.724	26.629	166.83	.080	.454
106	14.497	35.745	26.657	164.28	.079	.454
108	14.345	35.726	26.675	163.28	.076	.454
110	14.293	35.751	26.706	161.71	.136	.453
112	14.167	35.711	26.702	161.21	.137	.453
114	13.924	35.671	26.722	162.63	.077	.456
116	13.775	35.640	26.730	165.11	.070	.454
118	13.641	35.640	26.758	167.61	.063	.454
120	13.586	35.642	26.771	168.48	.061	.454
122	13.558	35.639	26.775	170.01	.059	.454
124	13.557	35.647	26.781	171.08	.058	.453
126	13.406	35.613	26.786	169.96	.059	.454
128	13.252	35.585	26.795	169.27	.055	.455
130	13.024	35.572	26.832	168.65	.057	.455
132	12.958	35.582	26.853	166.51	.057	.455
134	12.922	35.583	26.861	165.46	.056	.454
136	12.874	35.580	26.868	164.41	.053	.455
138	12.863	35.580	26.870	163.99	.054	.455
140	12.832	35.574	26.872	164.75	.052	.456
142	12.754	35.556	26.874	164.11	.051	.457

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
144	12.700	35.563	26.890	163.67	.055	.455
146	12.683	35.564	26.895	161.81	.051	.454
148	12.585	35.540	26.895	160.78	.052	.454
150	12.529	35.552	26.915	158.87	.050	.454
155	12.279	35.512	26.934	154.19	.049	.454
160	12.178	35.517	26.957	150.55	.046	.454
165	11.989	35.493	26.975	151.24	.048	.454
170	11.893	35.484	26.986	150.29	.047	.458
175	11.690	35.451	26.999	147.64	.048	.454
180	11.393	35.410	27.023	146.59	.050	.455
185	11.321	35.424	27.047	144.73	.054	.454
190	11.261	35.412	27.049	144.01	.053	.454
195	11.193	35.403	27.055	142.60	.052	.454
200	10.863	35.361	27.082	142.80	.052	.457
205	10.743	35.354	27.098	142.39	.054	.456
210	10.660	35.351	27.111	140.76	.049	.457
215	10.578	35.332	27.111	141.13	.054	.456
220	10.376	35.313	27.132	140.66	.050	.456
225	10.194	35.284	27.141	139.57	.048	.457
230	10.081	35.277	27.155	139.74	.049	.455
235	9.937	35.256	27.163	140.41	.045	.454
240	9.741	35.238	27.182	140.80	.049	.454
245	9.611	35.223	27.192	141.77	.047	.454
250	9.527	35.222	27.206	141.26	.046	.454
255	9.496	35.221	27.210	141.29	.050	.455
260	9.441	35.210	27.211	142.05	.047	.456
265	9.307	35.196	27.222	142.87	.053	.455
270	9.146	35.181	27.236	143.19	.049	.455
275	8.986	35.165	27.250	144.10	.049	.455
280	8.892	35.165	27.265	145.69	.048	.455
285	8.865	35.162	27.267	146.66	.047	.455
290	8.784	35.150	27.271	146.55	.048	.456
295	8.682	35.147	27.284	147.64	.048	.455
300	8.623	35.138	27.287	148.06	.046	.455
310	8.408	35.127	27.312	151.00	.047	.455
320	8.206	35.113	27.331	154.06	.045	.458
330	8.025	35.109	27.356	160.29	.049	.457
340	7.933	35.103	27.365	160.08	.043	.457
350	7.751	35.096	27.387	165.54	.048	.456
360	7.626	35.090	27.400	167.71	.044	.456
370	7.260	35.073	27.440	176.35	.047	.459
380	7.060	35.063	27.460	181.31	.045	.458
390	6.950	35.062	27.475	184.55	.046	.458
400	6.804	35.050	27.486	187.68	.041	.457
410	6.639	35.052	27.510	194.01	.045	.454
420	6.518	35.046	27.521	196.78	.045	.456
430	6.359	35.040	27.538	200.97	.041	.457
440	6.162	35.030	27.556	204.85	.048	.457
450	6.028	35.032	27.575	211.20	.044	.457
460	5.954	35.032	27.584	212.67	.043	.456
470	5.918	35.030	27.587	214.79	.044	.463

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
480	5.745	35.021	27.602	216.80	.050	.469
490	5.700	35.024	27.610	220.39	.044	.451
500	5.653	35.025	27.616	222.15	.043	.454
510	5.578	35.019	27.621	223.16	.042	.454
520	5.441	35.012	27.632	224.29	.038	.462
530	5.412	35.011	27.635	225.96	.044	.462
540	5.359	35.009	27.640	226.69	.044	.467
550	5.295	35.006	27.645	226.67	.043	.468
560	5.165	35.003	27.658	230.98	.044	.465
570	5.109	35.002	27.664	233.40	.039	.465
580	5.037	34.997	27.669	236.12	.035	.463
590	4.998	34.997	27.673	238.33	.041	.463
600	4.934	34.995	27.679	243.08	.043	.462
610	4.881	34.991	27.682	244.52	.042	.462
620	4.837	34.991	27.688	247.48	.039	.462
630	4.807	34.992	27.692	249.20	.037	.460
640	4.793	34.991	27.693	250.23	.041	.459
650	4.777	34.990	27.693	250.24	.041	.460
660	4.756	34.992	27.697	250.33	.040	.462
670	4.753	34.991	27.697	250.24	.042	.460
680	4.757	34.991	27.696	250.81	.040	.462
690	4.751	34.991	27.697	250.07	.041	.463
700	4.724	34.990	27.699	250.90	.043	.464
710	4.697	34.989	27.701	250.56	.039	.464
720	4.681	34.990	27.704	250.83	.043	.463
730	4.660	34.985	27.702	251.40	.045	.464
740	4.636	34.987	27.707	252.46	.040	.463
750	4.624	34.987	27.708	250.51	.037	.464
760	4.609	34.988	27.711	252.25	.039	.462
770	4.597	34.987	27.711	252.39	.036	.463
780	4.579	34.986	27.712	252.75	.041	.462
790	4.577	34.985	27.712	251.98	.040	.462
800	4.547	34.983	27.713	253.23	.040	.457
810	4.534	34.984	27.716	254.50	.039	.457
820	4.522	34.980	27.714	254.63	.040	.455
830	4.484	34.982	27.720	254.50	.039	.454
840	4.476	34.982	27.721	253.31	.037	.454
850	4.460	34.982	27.722	254.74	.040	.453
860	4.449	34.980	27.722	256.31	.039	.453
870	4.445	34.980	27.723	255.64	.039	.453
880	4.442	34.981	27.724	256.46	.041	.453
890	4.430	34.980	27.724	255.55	.040	.453
900	4.426	34.981	27.725	256.15	.038	.452
910	4.423	34.980	27.725	255.61	.038	.452
920	4.401	34.980	27.728	256.99	.041	.452
930	4.397	34.978	27.726	255.09	.035	.451
940	4.394	34.977	27.726	256.09	.038	.451
950	4.378	34.979	27.729	256.86	.041	.449
960	4.368	34.978	27.730	256.86	.038	.449
970	4.353	34.977	27.731	257.65	.038	.448
980	4.322	34.976	27.733	258.38	.038	.448

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
990	4.316	34.977	27.734	257.93	.038	.448
1000	4.312	34.976	27.734	257.64	.034	.448
1010	4.298	34.974	27.734	257.56	.038	.448
1020	4.271	34.974	27.737	259.49	.037	.445
1030	4.252	34.974	27.738	259.11	.037	.445
1040	4.238	34.973	27.739	259.69	.039	.446
1050	4.232	34.973	27.740	259.99	.036	.445
1060	4.221	34.972	27.741	260.58	.041	.446
1070	4.206	34.971	27.742	261.15	.037	.445
1080	4.194	34.971	27.742	263.80	.036	.447
1090	4.158	34.967	27.743	265.05	.037	.445
1100	4.149	34.969	27.746	267.83	.037	.444
1110	4.143	34.969	27.747	267.62	.041	.444
1120	4.133	34.968	27.747	267.04	.037	.443
1130	4.129	34.968	27.747	266.11	.033	.446
1140	4.123	34.968	27.748	266.66	.035	.445
1150	4.115	34.969	27.750	266.88	.037	.445
1160	4.110	34.968	27.750	267.33	.036	.445
1170	4.105	34.969	27.750	267.83	.029	.445
1180	4.104	34.967	27.749	267.53	.036	.447
1190	4.102	34.968	27.750	267.17	.035	.445
1200	4.100	34.967	27.750	268.20	.035	.445
1210	4.088	34.966	27.750	267.22	.037	.445
1220	4.056	34.966	27.753	268.27	.032	.445
1230	4.043	34.965	27.754	268.59	.034	.446
1240	4.041	34.966	27.755	269.11	.031	.445
1250	4.043	34.966	27.754	266.87	.035	.445
1260	4.042	34.965	27.754	267.94	.040	.447
1270	4.027	34.965	27.756	268.51	.039	.448
1280	4.012	34.966	27.758	268.32	.039	.449
1290	4.000	34.964	27.758	268.28	.035	.451
1300	3.993	34.965	27.759	267.23	.034	.450
1310	3.981	34.966	27.761	267.45	.037	.450
1320	3.970	34.963	27.760	267.93	.034	.449
1330	3.954	34.964	27.763	269.99	.030	.448
1340	3.950	34.963	27.762	269.88	.036	.448
1350	3.943	34.963	27.763	269.18	.033	.447
1360	3.941	34.964	27.764	269.07	.033	.447
1370	3.933	34.964	27.765	269.82	.034	.447
1380	3.934	34.964	27.765	267.50	.029	.447
1390	3.934	34.964	27.764	267.42	.036	.447
1400	3.934	34.963	27.764	267.04	.033	.447
1410	3.934	34.964	27.765	267.58	.038	.447
1420	3.930	34.964	27.765	270.17	.034	.447
1430	3.924	34.965	27.766	267.44	.035	.446
1440	3.918	34.963	27.765	268.93	.035	.446
1450	3.917	34.964	27.766	268.70	.034	.448
1460	3.912	34.963	27.766	269.23	.034	.447
1470	3.909	34.965	27.768	269.69	.034	.446
1480	3.903	34.964	27.768	270.05	.029	.446
1490	3.900	34.963	27.767	268.23	.032	.445

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
40	18 NOV 88	0705	36 50.68	74 20.34	1940	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
6	14.256	33.731	25.153	253.16	.581	.632
7	14.257	33.728	25.151	253.41	.575	.630
8	14.254	33.727	25.151	252.65	.581	.630
9	14.257	33.728	25.151	250.46	.605	.631
10	14.263	33.727	25.149	248.57	.613	.631
11	14.261	33.727	25.149	247.70	.614	.632
12	14.259	33.725	25.149	248.19	.601	.631
13	14.261	33.726	25.149	248.91	.604	.631
14	14.264	33.726	25.148	249.28	.623	.633
15	14.264	33.727	25.149	250.17	.615	.632
16	14.266	33.728	25.149	250.98	.613	.632
17	14.272	33.731	25.150	252.30	.615	.633
18	14.270	33.727	25.148	253.59	.634	.630
19	14.266	33.727	25.148	253.95	.675	.631
20	14.266	33.728	25.149	254.48	.680	.633
21	14.267	33.729	25.150	255.21	.645	.631
22	14.267	33.728	25.149	255.58	.629	.635
23	14.265	33.726	25.148	255.71	.684	.634
24	14.264	33.728	25.150	256.25	.751	.633
25	14.273	33.734	25.152	256.98	.683	.633
26	14.293	33.740	25.153	256.54	.659	.633
27	14.302	33.739	25.150	256.84	.668	.632
28	14.305	33.741	25.151	257.20	.650	.630
29	14.308	33.739	25.149	257.51	.637	.629
30	14.336	33.769	25.166	256.89	.636	.628
31	14.354	33.770	25.163	255.78	.635	.627
32	14.361	33.778	25.167	255.75	.668	.624
33	14.373	33.793	25.176	255.11	.660	.621
34	14.379	33.818	25.195	255.21	.646	.610
35	14.377	33.833	25.207	254.55	.572	.596
36	14.372	33.850	25.221	252.63	.514	.588
37	14.350	33.912	25.274	251.09	.502	.557
38	14.324	34.032	25.371	249.76	.420	.516
39	14.338	34.087	25.411	247.05	.312	.510
40	14.365	34.119	25.430	244.70	.345	.508
41	14.389	34.169	25.464	239.75	.268	.504
42	14.394	34.223	25.504	236.10	.220	.499
43	14.385	34.236	25.516	234.67	.188	.499
44	14.389	34.251	25.527	233.40	.287	.508
45	14.428	34.288	25.547	231.72	.926	.502
46	14.534	34.375	25.592	230.73	.513	.505

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
47	14.647	34.429	25.609	229.02	.488	.500
48	14.766	34.499	25.638	229.22	.296	.498
49	14.865	34.552	25.657	228.81	.277	.493
50	15.030	34.645	25.692	228.13	.359	.490
52	15.462	34.911	25.802	227.40	.204	.482
54	15.761	34.959	25.771	229.44	.137	.475
56	15.952	35.051	25.799	230.06	.127	.471
58	16.015	35.058	25.789	231.86	.130	.471
60	16.064	35.096	25.807	230.67	.121	.469
62	16.216	35.242	25.885	227.81	.115	.465
64	16.173	35.242	25.895	227.85	.101	.464
66	16.164	35.268	25.917	225.14	.092	.464
68	16.077	35.246	25.920	218.86	.090	.463
70	15.969	35.237	25.938	217.01	.101	.464
72	15.754	35.197	25.956	214.37	.099	.462
74	15.006	34.951	25.934	214.72	.099	.462
76	14.347	34.886	26.026	213.40	.094	.462
78	13.755	34.828	26.106	207.53	.095	.462
80	13.452	34.846	26.183	202.22	.091	.462
82	13.349	34.869	26.222	199.87	.099	.462
84	13.335	34.924	26.267	198.45	.096	.461
86	13.256	34.967	26.317	197.52	.092	.460
88	13.436	35.149	26.420	193.85	.093	.459
90	13.332	35.067	26.378	192.24	.090	.459
92	13.262	35.098	26.416	190.26	.087	.459
94	13.516	35.310	26.528	187.06	.086	.458
96	13.663	35.329	26.512	185.97	.081	.457
98	14.001	35.495	26.570	181.65	.082	.457
100	14.662	35.728	26.609	175.36	.083	.457
102	14.761	35.682	26.552	173.99	.088	.455
104	14.381	35.570	26.547	174.07	.088	.456
106	14.184	35.613	26.623	173.56	.076	.455
108	14.100	35.597	26.628	172.67	.098	.456
110	13.772	35.525	26.642	175.15	.079	.458
112	13.570	35.522	26.681	177.76	.068	.457
114	13.475	35.525	26.704	179.96	.067	.457
116	13.436	35.537	26.721	180.60	.068	.459
118	13.280	35.527	26.745	181.56	.061	.458
120	13.203	35.533	26.765	180.89	.060	.459
122	13.166	35.537	26.776	178.06	.059	.459
124	13.152	35.543	26.783	176.21	.060	.456
126	13.094	35.554	26.804	174.32	.056	.457
128	12.971	35.519	26.802	174.03	.056	.459
130	12.850	35.517	26.824	173.15	.055	.459
132	12.781	35.521	26.842	171.68	.050	.459
134	12.706	35.511	26.849	170.15	.052	.460
136	12.680	35.524	26.864	168.16	.057	.459
138	12.659	35.520	26.865	166.24	.055	.460
140	12.597	35.525	26.881	164.96	.051	.459
142	12.572	35.533	26.892	163.58	.049	.459
144	12.537	35.530	26.897	162.34	.052	.460

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
146	12.474	35.531	26.910	160.97	.050	.458
148	12.437	35.527	26.914	159.53	.050	.458
150	12.362	35.513	26.918	158.39	.048	.458
155	12.224	35.517	26.948	155.62	.050	.458
160	12.192	35.517	26.954	152.89	.053	.456
165	12.090	35.502	26.963	152.31	.051	.459
170	11.895	35.482	26.984	149.45	.047	.457
175	11.765	35.459	26.991	147.89	.052	.457
180	11.575	35.437	27.010	146.52	.049	.454
185	11.443	35.435	27.033	144.78	.049	.455
190	11.254	35.412	27.051	144.93	.053	.454
195	11.128	35.392	27.058	142.71	.054	.454
200	11.040	35.392	27.074	141.19	.049	.454
205	10.829	35.353	27.082	142.27	.050	.454
210	10.757	35.360	27.100	141.27	.048	.454
215	10.516	35.321	27.113	141.54	.049	.453
220	10.413	35.315	27.126	139.86	.048	.454
225	10.307	35.304	27.136	140.57	.048	.454
230	10.129	35.280	27.149	141.04	.051	.454
235	10.046	35.279	27.162	141.18	.053	.454
240	9.986	35.267	27.163	141.62	.053	.454
245	9.896	35.259	27.172	140.59	.048	.454
250	9.780	35.243	27.180	139.96	.045	.454
255	9.589	35.222	27.195	140.39	.049	.454
260	9.432	35.199	27.203	141.28	.047	.454
265	9.269	35.188	27.222	143.25	.052	.455
270	9.185	35.175	27.225	143.36	.047	.454
275	9.060	35.173	27.245	143.80	.045	.454
280	9.016	35.174	27.252	145.06	.049	.455
285	8.965	35.169	27.257	145.50	.051	.456
290	8.898	35.163	27.262	146.07	.046	.458
295	8.813	35.158	27.272	146.53	.048	.459
300	8.783	35.159	27.278	146.65	.047	.459
310	8.516	35.131	27.298	150.23	.048	.461
320	8.353	35.130	27.323	153.71	.048	.461
330	8.184	35.106	27.330	155.67	.048	.460
340	8.025	35.102	27.350	158.57	.047	.458
350	7.867	35.102	27.374	162.72	.050	.463
360	7.731	35.091	27.386	165.44	.045	.460
370	7.637	35.090	27.399	167.74	.050	.462
380	7.438	35.079	27.419	170.35	.043	.461
390	7.274	35.075	27.439	177.85	.044	.461
400	6.925	35.049	27.468	184.39	.044	.455
410	6.698	35.055	27.504	193.54	.046	.454
420	6.531	35.047	27.520	197.86	.042	.457
430	6.456	35.044	27.528	199.80	.042	.456
440	6.402	35.043	27.535	201.41	.049	.457
450	6.327	35 039	27.541	203.58	.043	.466
460	6.192	35.034	27.555	204.95	.041	.458
470	6.088	35.030	27.566	209.41	.043	.459
480	5.974	35.027	27.577	213.21	.045	.455

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
490	5.879	35.025	27.588	216.73	.040	.454
500	5.717	35.024	27.608	220.74	.043	.453
510	5.686	35.026	27.613	223.46	.041	.452
520	5.628	35.024	27.619	223.21	.045	.452
530	5.556	35.020	27.625	224.80	.044	.453
540	5.454	35.016	27.634	227.71	.042	.454
550	5.373	35.010	27.639	229.29	.041	.460
560	5.358	35.011	27.641	229.42	.040	.454
570	5.327	35.011	27.646	229.96	.041	.454
580	5.278	35.008	27.649	231.36	.041	.452
590	5.208	35.006	27.656	233.71	.041	.451
600	5.160	35.005	27.660	234.15	.040	.452
610	5.073	35.003	27.669	237.31	.044	.453
620	5.030	35.002	27.674	239.82	.040	.450
630	5.010	35.002	27.676	239.23	.037	.452
640	4.975	34.999	27.677	243.66	.040	.452
650	4.958	35.000	27.680	245.21	.039	.451
660	4.937	34.998	27.681	244.42	.035	.452
670	4.860	34.995	27.688	248.62	.040	.450
680	4.828	34.996	27.692	250.11	.043	.449
690	4.780	34.993	27.696	253.35	.036	.450
700	4.725	34.991	27.700	254.08	.037	.451
710	4.701	34.990	27.702	254.44	.040	.451
720	4.674	34.989	27.704	255.09	.040	.451
730	4.662	34.988	27.705	255.87	.043	.451
740	4.647	34.986	27.705	256.84	.041	.450
750	4.611	34.988	27.710	256.93	.038	.449
760	4.593	34.986	27.711	256.11	.039	.450
770	4.575	34.981	27.709	258.03	.037	.450
780	4.563	34.984	27.713	256.74	.038	.448
790	4.539	34.986	27.717	257.24	.038	.447
800	4.523	34.986	27.718	257.88	.035	.446
810	4.512	34.984	27.718	257.99	.034	.445
820	4.490	34.983	27.720	258.88	.037	.445
830	4.463	34.978	27.719	259.73	.037	.445
840	4.438	34.980	27.723	260.32	.037	.445
850	4.427	34.980	27.725	260.98	.035	.445
860	4.411	34.979	27.726	261.17	.037	.445
870	4.398	34.978	27.727	260.52	.039	.445
880	4.388	34.979	27.728	260.21	.038	.445
890	4.361	34.978	27.730	261.19	.038	.446
900	4.339	34.976	27.731	261.84	.038	.444
910	4.333	34.976	27.732	262.15	.035	.445
920	4.328	34.975	27.732	260.39	.039	.445
930	4.318	34.975	27.732	261.54	.038	.446
940	4.303	34.975	27.734	261.45	.036	.446
950	4.301	34.977	27.736	262.30	.039	.448
960	4.289	34.975	27.735	262.42	.039	.445
970	4.281	34.975	27.736	260.90	.037	.449
980	4.275	34.975	27.737	261.18	.041	.450
990	4.270	34.974	27.737	261.08	.042	.447

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1000	4.269	34.974	27.737	261.74	.038	.449
1010	4.265	34.972	27.736	260.30	.038	.450
1020	4.241	34.973	27.739	261.65	.039	.451
1030	4.239	34.974	27.741	261.19	.034	.448
1040	4.223	34.973	27.741	261.93	.040	.447
1050	4.214	34.972	27.741	262.06	.033	.448
1060	4.210	34.972	27.742	262.34	.036	.448
1070	4.188	34.970	27.743	261.10	.037	.448
1080	4.186	34.972	27.744	263.46	.035	.448
1090	4.174	34.970	27.744	261.92	.038	.448
1100	4.167	34.969	27.744	261.66	.037	.447
1110	4.159	34.970	27.746	262.17	.036	.448
1120	4.150	34.971	27.747	266.73	.037	.448
1130	4.139	34.969	27.747	264.45	.037	.448
1140	4.124	34.970	27.749	267.96	.034	.449
1150	4.113	34.968	27.749	267.85	.034	.449
1160	4.097	34.968	27.751	269.62	.037	.449
1170	4.086	34.966	27.750	269.37	.037	.447
1180	4.076	34.967	27.752	269.41	.035	.447
1190	4.069	34.966	27.752	269.59	.038	.447
1200	4.053	34.966	27.754	269.57	.036	.446
1210	4.049	34.966	27.754	268.60	.037	.445
1220	4.043	34.964	27.753	267.93	.037	.446
1230	4.026	34.964	27.755	268.72	.037	.445
1240	4.011	34.963	27.756	272.01	.036	.444
1250	4.010	34.964	27.757	272.15	.033	.445
1260	4.003	34.964	27.757	270.98	.035	.444
1270	4.002	34.962	27.756	271.54	.036	.445
1280	3.991	34.963	27.758	270.99	.034	.443
1290	3.991	34.964	27.759	269.77	.033	.443
1300	3.983	34.963	27.758	269.62	.032	.442
1310	3.980	34.963	27.759	270.43	.033	.443
1320	3.978	34.964	27.760	271.46	.034	.443
1330	3.971	34.962	27.759	271.26	.035	.443
1340	3.960	34.962	27.761	271.91	.039	.445
1350	3.955	34.964	27.762	269.47	.033	.444
1360	3.951	34.963	27.762	270.45	.034	.445
1370	3.947	34.962	27.762	269.67	.036	.445
1380	3.946	34.963	27.763	270.60	.030	.445
1390	3.945	34.963	27.762	271.00	.036	.444
1400	3.939	34.963	27.763	271.08	.034	.444
1410	3.935	34.963	27.764	269.67	.036	.445
1420	3.928	34.963	27.765	272.11	.035	.443
1430	3.921	34.963	27.766	269.81	.035	.443
1440	3.918	34.963	27.765	271.13	.032	.448
1450	3.914	34.963	27.766	271.31	.031	.444
1460	3.909	34.964	27.767	269.05	.032	.444
1470	3.903	34.964	27.768	270.24	.036	.443

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
41	18 NOV 88	1255	37 34.15	74 35.50	57	55

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	13.317	33.410	25.099	273.58	------	.776
4	13.324	33.410	25.097	273.74	------	.774
5	13.325	33.412	25.099	277.44	------	.773
6	13.335	33.415	25.099	277.89	------	.773
7	13.332	33.413	25.098	278.82	------	.772
8	13.333	33.412	25.097	277.58	------	.771
9	13.334	33.413	25.098	274.45	------	.771
10	13.334	33.414	25.098	272.80	------	.772
11	13.334	33.414	25.099	274.50	------	.769
12	13.332	33.413	25.098	276.64	------	.770
13	13.334	33.415	25.099	277.43	------	.770
14	13.346	33.420	25.101	276.97	------	.770
15	13.356	33.424	25.102	276.80	------	.765
16	13.358	33.423	25.101	276.26	------	.766
17	13.360	33.426	25.102	275.26	------	.765
18	13.358	33.425	25.102	273.61	------	.765
19	13.368	33.432	25.105	272.11	------	.765
20	13.362	33.426	25.102	272.99	------	.762
21	13.362	33.429	25.104	274.57	------	.765
22	13.372	33.434	25.106	276.02	------	.762
23	13.376	33.437	25.107	277.90	------	.760
24	13.376	33.438	25.108	278.19	------	.763
25	13.421	33.479	25.131	275.37	------	.753
26	13.492	33.532	25.157	272.24	------	.743
27	13.613	33.612	25.195	270.88	------	.712
28	13.790	33.755	25.269	268.29	------	.669
29	14.106	34.014	25.404	262.97	------	.599
30	14.349	34.139	25.449	261.20	------	.578
31	14.393	34.136	25.437	261.79	------	.571
32	14.464	34.171	25.449	260.09	------	.570
33	14.505	34.192	25.456	259.16	------	.561
34	14.542	34.216	25.467	260.67	------	.562
35	14.561	34.222	25.468	261.39	------	.561
36	14.582	34.243	25.479	259.52	------	.560
37	14.607	34.255	25.484	258.96	------	.557
38	14.640	34.293	25.505	257.17	------	.554
39	14.706	34.365	25.547	253.93	------	.546
40	14.617	34.370	25.570	252.79	------	.536
41	14.486	34.397	25.619	245.84	------	.535
42	14.458	34.409	25.634	241.43	------	.527
43	14.406	34.401	25.639	236.93	------	.526

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	14.323	34.385	25.645	236.70	------	.538
45	14.261	34.384	25.657	236.90	------	.524
46	14.216	34.368	25.654	232.90	------	.522
47	14.013	34.311	25.653	233.36	------	.520
48	13.730	34.336	25.731	233.40	------	.512
49	13.410	34.304	25.772	228.93	------	.506
50	13.165	34.354	25.860	227.44	------	.500
51	13.212	34.497	25.961	218.59	------	.504
52	13.345	34.590	26.006	211.73	------	.500
53	13.443	34.635	26.021	209.07	------	.498
54	13.562	34.911	26.210	206.69	------	.502
55	13.638	34.979	26.247	205.29	------	.507

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
42	18 NOV 88	1647	37 32.11	74 27.13	86	84

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.890	33.944	25.394	-------	------	.782
3	13.889	33.941	25.393	270.71	------	.781
4	13.889	33.941	25.392	269.96	------	.780
5	13.888	33.941	25.393	269.45	------	.779
6	13.889	33.942	25.393	268.89	------	.780
7	13.889	33.941	25.392	268.44	------	.780
8	13.888	33.941	25.393	267.93	------	.780
9	13.887	33.942	25.393	268.03	------	.779
10	13.887	33.941	25.393	268.00	------	.780
11	13.887	33.942	25.393	267.98	------	.781
12	13.889	33.947	25.397	269.04	------	.778
13	13.916	33.979	25.417	268.36	------	.780
14	13.926	33.982	25.417	266.68	------	.773
15	13.930	33.987	25.419	265.66	------	.772
16	13.932	33.987	25.419	265.21	------	.770
17	13.941	33.997	25.425	265.02	------	.768
18	13.968	34.018	25.435	263.03	------	.762
19	14.046	34.087	25.472	262.02	------	.730
20	14.121	34.141	25.498	261.58	------	.708
21	14.190	34.166	25.503	261.27	------	.697
22	14.279	34.230	25.534	257.76	------	.667
23	14.340	34.244	25.532	256.30	------	.657
24	14.367	34.245	25.527	256.26	------	.649
25	14.373	34.249	25.529	254.08	------	.644
26	14.425	34.266	25.531	253.17	------	.639
27	14.455	34.282	25.536	251.84	------	.627
28	14.480	34.290	25.538	250.99	------	.621
29	14.537	34.310	25.541	249.96	------	.613
30	14.605	34.346	25.554	248.98	------	.604
31	14.690	34.394	25.573	248.27	------	.594
32	14.891	34.483	25.598	244.49	------	.573
33	15.047	34.619	25.669	242.60	------	.547
34	15.135	34.680	25.696	240.59	------	.529
35	15.266	34.802	25.761	237.15	------	.501
36	15.250	34.769	25.739	237.20	------	.501
37	15.356	34.862	25.787	233.16	------	.502
38	15.597	34.946	25.798	230.27	------	.507
39	15.636	34.913	25.764	231.48	------	.503
40	15.740	34.991	25.801	231.41	------	.501
41	15.946	35.076	25.819	230.13	------	.498
42	16.033	35.059	25.786	230.48	------	.499

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	15.992	35.049	25.788	231.54	------	.501
44	15.800	35.008	25.800	232.69	------	.494
45	15.694	34.971	25.796	231.70	------	.490
46	15.386	34.909	25.817	230.16	------	.491
47	14.878	34.761	25.815	228.39	------	.493
48	14.646	34.760	25.865	226.75	------	.496
49	14.585	34.783	25.896	223.03	------	.490
50	14.567	34.779	25.896	219.45	------	.490
52	14.246	34.625	25.846	219.48	------	.496
54	14.020	34.775	26.010	216.57	------	.493
56	13.871	34.826	26.080	209.05	------	.497
58	13.878	34.896	26.133	203.96	------	.499
60	14.106	35.027	26.187	197.80	------	.511
62	14.163	35.043	26.186	197.11	------	.521
64	14.386	35.236	26.288	193.96	------	.545
66	14.108	35.141	26.274	192.15	------	.533
68	13.549	34.966	26.255	192.95	------	.526
70	13.194	34.977	26.337	191.40	------	.519
71	13.135	34.966	26.340	187.97	------	.518
72	13.093	34.969	26.350	186.93	------	.520
73	13.075	34.973	26.358	185.08	------	.517
74	13.011	34.979	26.375	184.86	------	.519
75	12.940	35.012	26.415	183.17	------	.519
76	12.931	35.047	26.444	180.99	------	.513
77	12.969	35.095	26.474	179.65	------	.511
78	13.001	35.100	26.471	180.06	------	.511
79	13.041	35.117	26.476	178.45	------	.510
80	13.094	35.157	26.496	177.28	------	.509
81	13.149	35.188	26.509	176.49	------	.512
82	13.239	35.233	26.526	175.38	------	.512
83	13.331	35.299	26.558	174.15	------	.521
84	13.469	35.431	26.632	170.70	------	.574

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
43	19 NOV 88	1252	37 38.11	74 10.83	735	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	15.185	34.850	25.816	-------	------	.610
3	15.189	34.816	25.789	260.04	------	.606
4	15.194	34.798	25.774	258.80	------	.604
5	15.198	34.794	25.770	259.02	------	.606
6	15.204	34.795	25.770	258.63	------	.601
7	15.203	34.793	25.768	258.01	------	.601
8	15.206	34.794	25.768	257.07	------	.600
9	15.212	34.793	25.767	256.66	------	.602
10	15.211	34.792	25.766	255.56	------	.602
11	15.211	34.792	25.766	254.07	------	.601
12	15.209	34.792	25.766	253.13	------	.603
13	15.212	34.792	25.765	254.42	------	.602
14	15.208	34.792	25.767	255.78	------	.601
15	15.206	34.793	25.767	256.71	------	.600
16	15.207	34.792	25.767	256.81	------	.601
17	15.206	34.793	25.768	257.33	------	.601
18	15.206	34.792	25.767	257.88	------	.600
19	15.206	34.793	25.768	257.97	------	.599
20	15.207	34.792	25.767	259.67	------	.599
21	15.208	34.792	25.767	259.65	------	.600
22	15.208	34.794	25.768	260.04	------	.600
23	15.210	34.793	25.767	258.83	------	.599
24	15.212	34.793	25.766	258.55	------	.598
25	15.214	34.793	25.766	258.10	------	.597
26	15.214	34.793	25.766	257.60	------	.598
27	15.213	34.794	25.767	256.79	------	.598
28	15.215	34.794	25.766	256.96	------	.597
29	15.215	34.794	25.766	257.69	------	.598
30	15.213	34.793	25.766	259.34	------	.596
31	15.214	34.795	25.767	260.41	------	.597
32	15.214	34.794	25.767	261.82	------	.597
33	15.216	34.796	25.768	262.01	------	.596
34	15.223	34.799	25.769	261.96	------	.596
35	15.226	34.799	25.768	262.96	------	.597
36	15.222	34.797	25.767	263.99	------	.596
37	15.219	34.795	25.766	265.09	------	.595
38	15.218	34.798	25.769	266.01	------	.596
39	15.300	34.887	25.819	265.33	------	.586
40	15.613	35.053	25.877	260.73	------	.540
41	15.987	35.212	25.914	257.38	------	.517
42	16.093	35.208	25.887	256.84	------	.515

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.136	35.212	25.881	255.23	------	.518
44	16.159	35.220	25.881	254.58	------	.519
45	16.202	35.238	25.885	252.99	------	.522
46	16.211	35.234	25.880	252.65	------	.521
47	16.213	35.234	25.880	252.25	------	.519
48	16.213	35.235	25.880	252.41	------	.518
49	16.213	35.234	25.880	252.20	------	.518
50	16.213	35.235	25.880	253.01	------	.517
52	16.214	35.237	25.882	253.89	------	.514
54	16.211	35.243	25.887	253.37	------	.512
56	16.204	35.248	25.893	253.13	------	.509
58	16.184	35.256	25.903	252.83	------	.511
60	16.168	35.282	25.927	250.50	------	.504
62	16.113	35.328	25.975	246.82	------	.499
64	16.090	35.347	25.995	239.30	------	.498
66	16.027	35.393	26.045	226.01	------	.495
68	15.428	35.222	26.049	221.61	------	.490
70	14.163	35.044	26.187	216.26	------	.503
72	13.366	34.962	26.290	203.07	------	.512
74	12.707	34.875	26.355	192.55	------	.529
76	12.596	34.926	26.417	189.48	------	.530
78	12.597	34.932	26.421	189.57	------	.530
80	12.713	35.046	26.486	190.09	------	.514
82	12.818	35.079	26.492	190.07	------	.499
84	12.900	35.212	26.578	188.81	------	.504
86	12.731	35.193	26.597	188.52	------	.509
88	12.731	35.223	26.620	186.45	------	.511
90	12.856	35.313	26.665	182.35	------	.504
92	12.894	35.383	26.711	180.72	------	.497
94	13.100	35.498	26.759	179.08	------	.486
96	13.489	35.669	26.812	174.40	------	.470
98	13.609	35.659	26.779	173.28	------	.462
100	13.629	35.664	26.779	171.89	------	.460
102	13.623	35.682	26.794	171.60	------	.459
104	13.639	35.695	26.801	173.96	------	.458
106	13.640	35.699	26.804	173.08	------	.459
108	13.636	35.701	26.806	174.30	------	.457
110	13.592	35.693	26.809	175.02	------	.456
112	13.562	35.686	26.810	174.82	------	.456
114	13.528	35.687	26.818	174.76	------	.455
116	13.481	35.683	26.824	172.18	------	.456
118	13.420	35.673	26.829	170.78	------	.455
120	13.336	35.666	26.841	170.95	------	.456
122	13.224	35.662	26.861	168.50	------	.458
124	13.170	35.660	26.871	164.52	------	.456
126	13.115	35.642	26.868	163.02	------	.456
128	13.077	35.640	26.874	163.31	------	.457
130	13.021	35.646	26.890	162.17	------	.456
132	12.924	35.627	26.895	160.13	------	.454
134	12.754	35.592	26.902	160.92	------	.455
136	12.543	35.567	26.924	161.32	------	.454

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.486	35.575	26.941	160.24	-------	.455
140	12.405	35.562	26.948	156.52	-------	.456
142	12.346	35.554	26.953	153.62	-------	.457
144	12.279	35.542	26.957	154.13	-------	.456
146	12.173	35.527	26.966	154.08	-------	.456
148	12.067	35.524	26.984	151.97	-------	.454
150	11.867	35.484	26.992	147.48	-------	.453
155	11.763	35.492	27.017	146.52	-------	.454
160	11.739	35.494	27.023	146.37	-------	.454

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
44	19 NOV 88	1457	37 28.41	73 53.34	1840	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	14.811	34.565	25.678	262.93	.570	.652
6	14.806	34.564	25.679	263.39	.588	.653
7	14.813	34.571	25.683	261.80	.595	.652
8	14.809	34.563	25.678	261.96	.605	.652
9	14.806	34.566	25.680	262.54	.600	.653
10	14.800	34.559	25.676	263.76	.640	.653
11	14.797	34.558	25.676	264.46	.682	.658
12	14.795	34.560	25.678	264.82	.656	.655
13	14.797	34.560	25.678	264.95	.655	.654
14	14.801	34.564	25.680	264.98	.651	.649
15	14.804	34.564	25.679	264.64	.667	.648
16	14.805	34.563	25.678	264.89	.668	.647
17	14.804	34.563	25.679	264.74	.660	.654
18	14.803	34.564	25.679	264.03	.669	.647
19	14.803	34.563	25.679	263.90	.661	.647
20	14.802	34.564	25.680	263.00	.670	.645
21	14.804	34.564	25.680	262.98	.672	.646
22	14.804	34.565	25.680	262.89	.668	.645
23	14.807	34.566	25.680	263.25	.682	.644
24	14.813	34.570	25.682	262.78	.684	.640
25	14.818	34.570	25.681	262.90	.649	.638
26	14.818	34.568	25.680	263.00	.652	.639
27	14.817	34.569	25.680	262.86	.663	.641
28	14.815	34.566	25.679	263.12	.646	.641
29	14.813	34.567	25.680	263.14	.648	.642
30	14.815	34.569	25.681	262.61	.655	.641
31	14.810	34.563	25.677	262.18	.646	.644
32	14.807	34.564	25.678	262.30	.639	.643
33	14.806	34.563	25.678	261.42	.628	.645
34	14.806	34.564	25.679	261.88	.630	.646
35	14.806	34.563	25.678	261.82	.626	.643
36	14.807	34.564	25.679	261.34	.633	.646
37	14.809	34.564	25.678	260.92	.640	.644
38	14.810	34.566	25.679	260.83	.648	.644
39	14.831	34.580	25.686	260.31	.733	.636
40	14.843	34.581	25.684	260.07	.736	.632
41	14.847	34.578	25.681	259.76	.678	.629
42	14.858	34.587	25.685	259.28	.628	.624
43	14.876	34.598	25.690	259.70	.601	.620
44	14.918	34.619	25.697	259.24	.581	.608
45	14.964	34.639	25.702	258.59	.565	.602

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
46	15.026	34.691	25.729	257.77	.544	.593
47	15.160	34.774	25.764	256.30	.510	.568
48	15.266	34.783	25.747	255.26	.459	.551
49	15.403	34.886	25.795	252.60	.416	.529
50	15.719	35.066	25.864	247.88	.376	.505
52	15.906	35.055	25.812	242.98	.233	.495
54	15.953	35.103	25.839	238.69	.184	.490
56	16.043	35.208	25.898	233.61	.155	.484
58	16.125	35.292	25.944	227.89	.164	.480
60	16.150	35.395	26.018	221.55	.137	.477
62	16.118	35.529	26.128	215.90	.128	.473
64	15.950	35.558	26.190	212.39	.119	.472
66	15.892	35.566	26.209	205.66	.169	.473
68	15.827	35.551	26.212	200.24	.220	.473
70	15.652	35.553	26.253	198.00	.137	.471
72	15.290	35.566	26.345	196.68	.107	.465
74	15.234	35.649	26.422	193.43	.103	.465
76	15.290	35.784	26.513	188.96	.097	.463
78	15.303	35.782	26.509	185.64	.104	.463
80	15.286	35.791	26.519	182.70	.100	.464
82	15.230	35.768	26.514	180.88	.098	.462
84	15.133	35.780	26.545	179.89	.094	.463
86	15.070	35.780	26.559	178.91	.092	.462
88	14.985	35.770	26.570	178.65	.100	.462
90	14.884	35.759	26.584	179.10	.095	.462
92	14.600	35.694	26.596	178.21	.087	.462
94	14.395	35.709	26.651	177.73	.084	.461
96	14.297	35.707	26.672	178.12	.081	.460
98	14.186	35.699	26.688	178.92	.073	.459
100	14.116	35.690	26.697	178.40	.069	.459
102	14.064	35.699	26.715	179.28	.066	.459
104	14.037	35.704	26.724	179.51	.065	.459
106	13.984	35.688	26.723	179.68	.066	.459
108	13.791	35.662	26.743	179.76	.064	.459
110	13.719	35.678	26.771	178.15	.065	.458
112	13.690	35.678	26.777	176.39	.058	.458
114	13.635	35.671	26.783	174.94	.056	.458
116	13.559	35.671	26.799	174.19	.060	.456
118	13.506	35.674	26.812	173.28	.056	.456
120	13.453	35.671	26.821	171.88	.057	.458
122	13.371	35.669	26.837	170.73	.056	.458
124	13.320	35.673	26.850	168.51	.056	.456
126	13.297	35.677	26.858	166.50	.053	.461
128	13.283	35.675	26.859	164.66	.050	.456
130	13.268	35.673	26.861	163.98	.072	.456
132	13.196	35.653	26.860	162.18	.055	.456
134	13.053	35.641	26.880	161.73	.051	.455
136	12.927	35.626	26.893	160.96	.050	.454
138	12.830	35.623	26.911	160.00	.049	.454
140	12.797	35.627	26.920	157.63	.048	.454
142	12.777	35.629	26.926	156.21	.048	.456

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
144	12.765	35.629	26.928	155.00	.050	.454
146	12.667	35.604	26.928	154.88	.048	.454
148	12.632	35.610	26.940	154.51	.049	.454
150	12.619	35.612	26.944	152.69	.048	.454
155	12.514	35.592	26.949	150.65	.055	.456
160	12.422	35.574	26.954	149.50	.060	.457
165	12.332	35.560	26.961	147.52	.054	.457
170	12.164	35.538	26.976	145.69	.052	.457
175	11.890	35.501	27.000	145.17	.059	.456
180	11.819	35.499	27.012	142.74	.053	.456
185	11.699	35.473	27.015	140.86	.053	.458
190	11.572	35.465	27.032	139.92	.060	.458
195	11.476	35.460	27.046	140.29	.055	.456
200	11.346	35.428	27.046	140.01	.059	.457
205	11.246	35.412	27.052	139.55	.056	.458
210	11.099	35.401	27.070	137.76	.061	.459
215	11.008	35.385	27.075	137.82	.054	.460
220	10.909	35.373	27.083	136.55	.056	.459
225	10.801	35.363	27.095	136.31	.056	.458
230	10.680	35.337	27.096	136.20	.058	.459
235	10.477	35.316	27.116	136.35	.056	.459
240	10.388	35.310	27.127	136.65	.056	.459
245	10.286	35.294	27.132	136.31	.056	.458
250	10.138	35.284	27.150	136.81	.058	.458
255	10.056	35.269	27.153	135.67	.054	.458
260	9.928	35.261	27.168	136.73	.054	.458
265	9.876	35.257	27.174	136.81	.055	.458
270	9.854	35.255	27.177	137.50	.058	.459
275	9.683	35.230	27.186	138.41	.051	.461
280	9.602	35.232	27.201	138.36	.051	.462
285	9.507	35.222	27.209	138.85	.053	.461
290	9.495	35.221	27.211	138.13	.053	.462
295	9.399	35.191	27.203	139.46	.053	.460
300	9.316	35.199	27.223	139.25	.052	.460
310	9.101	35.169	27.234	139.12	.047	.456
320	8.945	35.152	27.247	140.11	.049	.456
330	8.662	35.129	27.273	141.93	.053	.457
340	8.446	35.120	27.301	145.57	.051	.457
350	8.342	35.109	27.307	146.49	.046	.457
360	8.195	35.113	27.333	150.49	.049	.457
370	8.089	35.106	27.344	152.68	.045	.457
380	7.935	35.102	27.364	155.62	.045	.457
390	7.770	35.090	27.379	159.67	.047	.458
400	7.400	35.084	27.429	166.81	.050	.461
410	7.276	35.077	27.441	171.51	.050	.462
420	7.109	35.070	27.459	175.17	.046	.465
430	6.907	35.057	27.477	179.62	.049	.466
440	6.753	35.059	27.500	185.33	.051	.466
450	6.660	35.057	27.511	187.82	.044	.463
460	6.549	35.051	27.521	191.18	.047	.463
470	6.393	35.047	27.538	195.73	.041	.461

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
480	6.274	35.044	27.552	198.15	.047	.461
490	6.167	35.040	27.563	202.82	.044	.462
500	5.963	35.029	27.581	206.61	.044	.456
510	5.881	35.031	27.593	211.92	.046	.454
520	5.847	35.028	27.595	212.42	.043	.454
530	5.707	35.019	27.605	214.50	.044	.460
540	5.643	35.024	27.617	217.68	.039	.457
550	5.582	35.015	27.617	219.60	.042	.459
560	5.496	35.018	27.630	223.17	.043	.460
570	5.472	35.020	27.635	223.51	.043	.454
580	5.447	35.019	27.637	224.39	.041	.452
590	5.386	35.014	27.641	225.43	.041	.453
600	5.331	35.015	27.648	227.49	.041	.453
610	5.250	35.008	27.652	229.47	.042	.454
620	5.176	35.005	27.659	231.75	.044	.450
630	5.102	35.003	27.666	232.64	.038	.450
640	5.044	35.002	27.672	233.57	.039	.450
650	5.028	35.001	27.673	234.84	.039	.450
660	5.003	34.997	27.673	235.89	.040	.450
670	4.957	34.998	27.679	237.85	.038	.449
680	4.945	34.997	27.680	237.18	.040	.449
690	4.926	34.998	27.682	236.57	.038	.449
700	4.880	34.996	27.686	239.34	.040	.449
710	4.876	34.997	27.688	237.84	.041	.448
720	4.879	35.002	27.691	242.29	.042	.449
730	4.878	35.003	27.692	241.51	.044	.448
740	4.873	35.005	27.694	243.21	.041	.448
750	4.827	35.000	27.696	244.67	.043	.447
760	4.780	35.000	27.701	246.11	.041	.447
770	4.772	34.999	27.701	247.60	.038	.447
780	4.726	34.993	27.702	248.18	.040	.447
790	4.704	34.995	27.706	247.42	.041	.446
800	4.689	34.993	27.706	248.58	.039	.446
810	4.655	34.991	27.708	250.36	.039	.446
820	4.617	34.989	27.710	251.10	.043	.445
830	4.612	34.989	27.711	251.55	.039	.445
840	4.606	34.990	27.713	251.59	.041	.445
850	4.575	34.987	27.714	252.92	.041	.445
860	4.530	34.985	27.717	253.44	.036	.445
870	4.494	34.985	27.721	254.28	.039	.445
880	4.421	34.976	27.722	254.64	.036	.445
890	4.385	34.977	27.727	256.63	.042	.445
900	4.369	34.978	27.730	256.68	.038	.445
910	4.365	34.979	27.730	257.19	.041	.446
920	4.318	34.975	27.733	256.34	.038	.454
930	4.295	34.977	27.736	258.17	.039	.454
940	4.273	34.972	27.735	256.84	.039	.454
950	4.261	34.973	27.737	258.19	.038	.453
960	4.241	34.974	27.740	258.82	.040	.453
970	4.226	34.972	27.740	259.64	.042	.452
980	4.219	34.971	27.740	259.42	.041	.452

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
990	4.218	34.972	27.741	259.38	.038	.451
1000	4.201	34.971	27.742	260.45	.038	.450
1010	4.190	34.969	27.742	259.03	.037	.450
1020	4.181	34.971	27.744	259.43	.037	.450
1030	4.181	34.971	27.744	259.75	.036	.450
1040	4.180	34.970	27.744	258.01	.037	.449
1050	4.153	34.970	27.746	259.87	.039	.448
1060	4.147	34.970	27.747	259.10	.043	.448
1070	4.144	34.970	27.747	260.74	.039	.449
1080	4.135	34.968	27.747	259.96	.040	.451
1090	4.131	34.969	27.747	259.60	.040	.451
1100	4.131	34.971	27.749	260.06	.039	.450
1110	4.129	34.970	27.749	260.53	.033	.449
1120	4.117	34.969	27.750	260.43	.039	.449
1130	4.110	34.969	27.750	259.42	.037	.448
1140	4.096	34.968	27.751	260.20	.036	.448
1150	4.085	34.968	27.752	261.31	.041	.449
1160	4.088	34.967	27.751	260.25	.037	.447
1170	4.085	34.967	27.751	260.24	.038	.447
1180	4.083	34.968	27.752	260.30	.040	.446
1190	4.064	34.966	27.753	260.32	.040	.446
1200	4.043	34.964	27.753	260.94	.036	.445
1210	4.031	34.964	27.755	263.87	.038	.445
1220	4.021	34.964	27.755	264.47	.038	.445
1230	4.021	34.965	27.756	265.43	.037	.445
1240	4.020	34.963	27.755	265.02	.040	.445
1250	4.017	34.964	27.756	265.78	.037	.445
1260	4.018	34.965	27.756	265.60	.032	.446
1270	4.015	34.963	27.755	265.34	.036	.446
1280	3.994	34.962	27.757	265.91	.039	.446
1290	3.976	34.959	27.756	266.82	.039	.446
1300	3.961	34.961	27.759	265.79	.034	.446
1310	3.954	34.962	27.761	266.36	.037	.445
1320	3.943	34.962	27.762	266.19	.036	.445
1330	3.943	34.959	27.760	266.61	.037	.446
1340	3.920	34.960	27.763	266.88	.032	.446
1350	3.918	34.960	27.763	267.35	.038	.447
1360	3.915	34.961	27.764	266.35	.036	.445
1370	3.909	34.961	27.765	266.17	.032	.446
1380	3.908	34.961	27.765	266.37	.035	.446
1390	3.907	34.960	27.764	267.23	.033	.446
1400	3.905	34.961	27.765	265.97	.036	.447
1410	3.902	34.960	27.765	266.52	.038	.447
1420	3.902	34.960	27.765	266.25	.037	.446
1430	3.899	34.961	27.766	266.73	.035	.447
1440	3.892	34.962	27.767	266.79	.033	.445
1450	3.887	34.962	27.768	262.71	.036	.446

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
45	19 NOV 88	1655	37 32.99	74 2.32	1270	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
5	13.712	33.963	25.446	251.61	.743	.796
6	13.704	33.959	25.445	252.08	.903	.803
7	13.692	33.961	25.449	254.96	.834	.804
8	13.694	33.961	25.448	257.23	.867	.807
9	13.688	33.960	25.449	258.07	1.307	.806
10	13.680	33.962	25.452	258.35	1.193	.807
11	13.677	33.963	25.453	255.74	1.729	.809
12	13.677	33.966	25.455	253.43	1.441	.806
13	13.683	33.971	25.459	253.73	1.356	.802
14	13.686	33.975	25.461	256.24	1.208	.790
15	13.709	33.996	25.472	256.93	1.143	.793
16	13.781	34.046	25.496	257.84	1.160	.794
17	14.019	34.257	25.609	257.42	1.172	.752
18	14.529	34.554	25.731	253.86	.938	.665
19	14.881	34.670	25.744	251.35	.996	.641
20	15.045	34.685	25.720	250.37	.963	.613
21	15.111	34.712	25.726	249.04	.823	.627
22	15.170	34.737	25.733	247.56	.830	.621
23	15.229	34.759	25.736	246.62	.837	.595
24	15.260	34.766	25.735	246.26	.618	.586
25	15.280	34.768	25.732	245.35	.540	.580
26	15.292	34.773	25.733	245.30	.513	.576
27	15.300	34.775	25.733	245.01	.490	.574
28	15.307	34.778	25.733	244.56	.499	.572
29	15.318	34.782	25.734	244.89	.528	.568
30	15.328	34.785	25.735	245.27	.489	.565
31	15.335	34.788	25.735	245.33	.460	.562
32	15.340	34.787	25.734	245.16	.471	.561
33	15.340	34.787	25.733	244.86	.448	.561
34	15.341	34.787	25.733	244.68	.439	.559
35	15.344	34.789	25.734	244.94	.441	.556
36	15.353	34.794	25.736	244.19	.412	.553
37	15.365	34.798	25.736	244.13	.415	.549
38	15.389	34.817	25.745	244.55	.395	.543
39	15.439	34.849	25.759	244.12	.368	.535
40	15.523	34.902	25.781	243.48	.342	.529
41	15.663	34.991	25.818	241.78	.370	.516
42	15.879	35.101	25.854	239.23	.298	.503
43	16.061	35.177	25.871	236.50	.249	.495
44	16.290	35.277	25.895	233.69	.208	.487
45	16.411	35.291	25.877	231.49	.194	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
46	16.424	35.279	25.865	230.51	.177	.483
47	16.497	35.344	25.898	227.62	.165	.480
48	16.537	35.367	25.907	225.96	.166	.479
49	16.500	35.387	25.931	224.49	.149	.478
50	16.423	35.417	25.972	221.82	.137	.476
52	16.382	35.446	26.003	217.48	.147	.475
54	16.352	35.467	26.027	214.36	.131	.473
56	16.330	35.483	26.044	211.02	.119	.473
58	16.307	35.498	26.061	208.60	.114	.473
60	16.256	35.509	26.081	206.88	.244	.473
62	16.145	35.553	26.141	205.87	.122	.477
64	15.956	35.603	26.223	203.93	.118	.471
66	15.844	35.640	26.277	198.01	.114	.470
68	15.718	35.658	26.319	193.54	.145	.470
70	15.571	35.695	26.381	191.45	.193	.471
72	15.456	35.706	26.416	189.18	.146	.469
74	15.377	35.727	26.450	186.06	.120	.468
76	15.305	35.726	26.465	184.95	.117	.468
78	15.187	35.730	26.494	184.34	.104	.467
80	15.107	35.735	26.516	183.62	.095	.464
82	15.054	35.745	26.535	182.35	.092	.467
84	14.996	35.743	26.547	181.56	.095	.465
86	14.943	35.742	26.558	181.27	.087	.464
88	14.879	35.742	26.572	180.60	.090	.463
90	14.780	35.737	26.590	179.64	.098	.462
92	14.600	35.732	26.625	179.16	.084	.462
94	14.461	35.750	26.669	178.82	.082	.464
96	14.368	35.739	26.681	177.03	.078	.462
98	14.311	35.750	26.702	175.19	.079	.462
100	14.179	35.734	26.717	174.04	.078	.461
102	14.126	35.732	26.727	171.89	.077	.461
104	13.910	35.697	26.746	172.15	.072	.459
106	13.779	35.712	26.785	171.60	.057	.457
108	13.741	35.717	26.797	170.38	.056	.457
110	13.725	35.721	26.803	169.89	.061	.457
112	13.711	35.720	26.805	169.07	.057	.459
114	13.670	35.710	26.806	168.64	.060	.456
116	13.649	35.713	26.813	168.06	.056	.455
118	13.643	35.713	26.814	168.47	.055	.456
120	13.586	35.703	26.818	168.06	.053	.455
122	13.559	35.703	26.824	167.08	.055	.455
124	13.543	35.705	26.829	167.07	.058	.456
126	13.527	35.702	26.829	166.53	.056	.456
128	13.492	35.705	26.839	165.73	.054	.456
130	13.468	35.708	26.846	163.45	.055	.458
132	13.420	35.702	26.852	161.59	.059	.458
134	13.413	35.717	26.865	159.09	.063	.459
136	13.379	35.698	26.857	157.71	.060	.459
138	13.286	35.686	26.867	156.86	.059	.458
140	13.221	35.667	26.866	156.09	.063	.458
142	13.169	35.674	26.882	155.97	.058	.458

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
144	13.156	35.676	26.886	154.72	.073	.458
146	13.110	35.659	26.882	154.36	.063	.458
148	13.036	35.649	26.889	154.14	.059	.457
150	13.008	35.653	26.898	153.23	.060	.457
155	12.959	35.649	26.905	150.24	.050	.457
160	12.828	35.619	26.908	148.84	.054	.458
165	12.701	35.615	26.930	147.25	.052	.457
170	12.447	35.557	26.935	146.19	.054	.458
175	12.302	35.563	26.969	145.17	.064	.457
180	12.051	35.506	26.973	144.40	.052	.456
185	11.793	35.491	27.011	143.69	.055	.456
190	11.658	35.464	27.015	140.85	.055	.457
195	11.533	35.462	27.037	140.48	.053	.457
200	11.518	35.460	27.039	139.58	.054	.456
205	11.324	35.425	27.047	138.80	.050	.458
210	11.197	35.409	27.059	138.69	.051	.457
215	10.940	35.375	27.079	139.20	.056	.457
220	10.886	35.371	27.086	137.98	.054	.457
225	10.758	35.345	27.089	138.23	.053	.456
230	10.547	35.330	27.115	138.19	.054	.456
235	10.460	35.316	27.119	137.23	.057	.455
240	10.367	35.303	27.125	137.42	.058	.456
245	10.250	35.296	27.140	136.53	.054	.454
250	10.024	35.255	27.147	138.07	.052	.454
255	9.880	35.247	27.166	136.97	.056	.455
260	9.741	35.235	27.180	137.81	.055	.454
265	9.618	35.217	27.187	137.89	.052	.455
270	9.481	35.199	27.195	137.53	.050	.454
275	9.409	35.199	27.207	137.55	.054	.455
280	9.358	35.187	27.207	137.59	.054	.456
285	9.230	35.162	27.208	137.24	.051	.455
290	9.104	35.163	27.229	137.81	.053	.455
295	9.061	35.157	27.231	138.32	.054	.456
300	8.948	35.139	27.236	138.39	.052	.456
310	8.671	35.117	27.262	140.55	.054	.457
320	8.512	35.107	27.280	141.55	.055	.458
330	8.394	35.094	27.288	142.05	.054	.458
340	8.213	35.081	27.306	143.48	.055	.459
350	8.101	35.089	27.329	146.69	.050	.459
360	7.924	35.085	27.352	149.39	.047	.458
370	7.847	35.091	27.368	155.51	.049	.455
380	7.590	35.078	27.396	163.46	.046	.456
390	7.410	35.080	27.424	167.81	.046	.458
400	7.300	35.077	27.438	171.59	.042	.457
410	7.150	35.071	27.454	175.22	.056	.458
420	7.014	35.063	27.466	178.41	.044	.459
430	6.887	35.064	27.486	182.27	.046	.458
440	6.747	35.059	27.500	185.53	.045	.457
450	6.650	35.057	27.512	188.98	.043	.458
460	6.459	35.035	27.521	192.09	.043	.456
470	6.376	35.048	27.542	195.49	.047	.455

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
480	6.133	35.036	27.565	199.33	.044	.458

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
46	19 NOV 88	1818	37 36.81	74 10.13	965	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	15.513	34.855	25.747	238.16	.530	.621
5	15.516	34.854	25.746	238.08	.509	.622
6	15.515	34.854	25.746	236.29	.562	.620
7	15.517	34.854	25.745	233.57	.556	.621
8	15.513	34.849	25.743	234.80	.554	.621
9	15.497	34.850	25.747	235.67	.561	.626
10	15.496	34.851	25.748	237.65	.578	.626
11	15.495	34.851	25.748	239.38	.597	.627
12	15.492	34.849	25.748	241.14	.579	.627
13	15.483	34.849	25.749	243.04	.586	.627
14	15.479	34.847	25.749	243.68	.601	.626
15	15.476	34.850	25.751	244.44	.618	.625
16	15.476	34.850	25.752	244.33	.626	.625
17	15.477	34.850	25.751	244.00	.622	.620
18	15.477	34.850	25.752	244.37	.603	.618
19	15.478	34.850	25.751	244.68	.583	.617
20	15.478	34.850	25.751	245.04	.621	.616
21	15.477	34.851	25.752	245.40	.618	.612
22	15.477	34.851	25.752	245.23	.635	.612
23	15.477	34.852	25.753	244.69	.607	.610
24	15.477	34.851	25.752	243.67	.602	.609
25	15.476	34.850	25.752	243.56	.605	.608
26	15.476	34.850	25.751	243.95	.601	.606
27	15.474	34.851	25.753	244.92	.590	.601
28	15.474	34.852	25.753	245.51	.604	.594
29	15.479	34.857	25.756	244.65	.589	.582
30	15.483	34.859	25.757	243.37	.545	.578
31	15.489	34.862	25.758	243.97	.525	.574
32	15.501	34.869	25.761	245.04	.509	.568
33	15.509	34.871	25.760	245.59	.506	.565
34	15.559	34.913	25.781	246.12	.481	.552
35	15.714	35.048	25.851	245.10	.445	.538
36	15.852	35.083	25.846	243.82	.417	.533
37	15.951	35.122	25.853	242.49	.418	.528
38	16.033	35.163	25.866	241.08	.374	.524
39	16.070	35.167	25.861	240.22	.343	.521
40	16.088	35.168	25.857	239.46	.320	.519
41	16.088	35.168	25.858	239.48	.332	.519
42	16.108	35.185	25.866	239.23	.356	.513
43	16.137	35.195	25.867	238.72	.310	.512
44	16.167	35.208	25.870	238.36	.289	.509

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	16.189	35.214	25.870	236.88	.268	.505
46	16.211	35.225	25.873	235.96	.276	.502
47	16.229	35.232	25.875	235.59	.260	.499
48	16.245	35.240	25.877	235.23	.230	.501
49	16.280	35.263	25.886	234.63	.208	.498
50	16.253	35.241	25.876	234.14	.212	.498
52	16.328	35.322	25.920	230.25	.200	.494
54	16.250	35.305	25.926	227.23	.171	.492
56	16.049	35.383	26.032	222.39	.196	.498
58	15.847	35.478	26.151	213.58	.197	.488
60	15.190	35.398	26.238	204.82	.153	.483
62	15.040	35.550	26.388	194.10	.127	.480
64	15.133	35.595	26.402	185.87	.110	.479
66	15.196	35.634	26.418	183.66	.110	.474
68	15.147	35.651	26.442	184.02	.116	.471
70	15.058	35.675	26.480	183.83	.100	.469
72	14.969	35.686	26.509	183.92	.095	.468
74	14.887	35.695	26.534	183.25	.086	.465
76	14.822	35.704	26.555	182.83	.153	.464
78	14.796	35.716	26.570	181.62	.100	.464
80	14.786	35.718	26.574	180.16	.087	.464
82	14.477	35.595	26.546	180.97	.087	.470
84	14.107	35.531	26.575	180.03	.099	.480
86	14.254	35.698	26.673	176.00	.099	.471
88	14.224	35.657	26.648	174.66	.088	.469
90	13.736	35.482	26.616	177.23	.097	.482
92	13.915	35.647	26.706	174.46	.102	.472
94	14.064	35.716	26.727	173.15	.088	.466
96	14.097	35.698	26.707	173.77	.078	.464
98	14.148	35.713	26.708	174.27	.074	.461
100	14.058	35.680	26.701	175.06	.066	.460
102	13.976	35.691	26.727	174.87	.067	.460
104	13.956	35.691	26.731	174.28	.068	.461
106	13.866	35.699	26.756	172.82	.061	.461
108	13.662	35.661	26.770	173.46	.065	.463
110	13.652	35.694	26.797	170.85	.061	.461
112	13.462	35.641	26.796	168.76	.055	.460
114	13.350	35.657	26.832	167.41	.057	.460
116	13.350	35.669	26.841	166.46	.057	.459
118	13.339	35.670	26.844	166.46	.055	.459
120	13.345	35.681	26.851	164.37	.053	.459
122	13.316	35.679	26.856	162.86	.052	.460
124	13.284	35.668	26.854	161.94	.056	.459
126	13.211	35.650	26.854	160.13	.049	.460
128	13.104	35.635	26.864	159.73	.050	.461
130	13.061	35.654	26.888	158.08	.053	.459
132	12.983	35.634	26.888	157.57	.053	.458
134	12.807	35.605	26.901	156.66	.051	.457
136	12.765	35.605	26.910	156.40	.048	.456
138	12.703	35.600	26.918	155.82	.046	.454
140	12.562	35.565	26.919	155.71	.042	.454

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
142	12.431	35.557	26.939	155.91	.043	.455
144	12.308	35.545	26.953	154.76	.046	.454
146	12.252	35.547	26.966	153.10	.045	.454
148	12.188	35.538	26.972	152.06	.045	.455
150	12.138	35.533	26.978	150.19	.049	.456
155	12.011	35.504	26.979	147.77	.048	.456
160	11.782	35.486	27.009	145.28	.042	.455
165	11.708	35.487	27.024	144.05	.048	.454
170	11.646	35.475	27.026	142.51	.048	.455
175	11.559	35.465	27.035	142.45	.043	.454
180	11.501	35.455	27.038	141.94	.047	.455
185	11.427	35.450	27.048	141.02	.044	.455
190	11.374	35.440	27.050	138.63	.050	.455
195	11.182	35.411	27.063	140.22	.046	.454
200	11.092	35.397	27.069	138.92	.053	.454
205	10.995	35.392	27.083	138.40	.047	.455
210	10.760	35.354	27.095	138.32	.051	.455
215	10.603	35.331	27.106	138.64	.047	.454
220	10.344	35.296	27.123	138.22	.048	.454
225	10.129	35.273	27.144	138.73	.049	.455
230	10.024	35.268	27.158	138.10	.046	.455
235	9.842	35.239	27.166	137.65	.046	.455
240	9.669	35.220	27.180	138.33	.051	.456
245	9.585	35.213	27.189	138.09	.047	.459
250	9.470	35.199	27.198	138.43	.051	.458
255	9.399	35.197	27.208	138.11	.049	.457
260	9.302	35.186	27.215	137.69	.053	.460
265	9.200	35.165	27.216	138.50	.046	.457
270	9.128	35.170	27.231	138.99	.045	.459
275	8.989	35.146	27.235	139.35	.049	.460
280	8.847	35.143	27.255	139.83	.049	.459
285	8.795	35.138	27.259	140.98	.047	.459
290	8.719	35.137	27.271	141.25	.049	.458
295	8.558	35.116	27.280	143.28	.045	.459
300	8.482	35.118	27.293	144.52	.042	.461
310	8.073	35.093	27.336	150.15	.044	.457
320	7.842	35.095	27.372	157.99	.049	.464
330	7.836	35.098	27.376	160.01	.045	.459
340	7.774	35.093	27.381	160.92	.045	.462
350	7.546	35.088	27.411	164.14	.045	.466
360	7.274	35.060	27.427	170.25	.045	.468
370	7.096	35.070	27.461	177.19	.047	.472
380	6.956	35.063	27.475	181.45	.044	.471
390	6.818	35.057	27.489	184.45	.046	.471
400	6.639	35.061	27.517	189.86	.041	.455
410	6.422	35.056	27.542	196.66	.049	.458
420	6.361	35.052	27.547	198.27	.044	.458
430	6.337	35.051	27.550	200.55	.044	.457
440	6.239	35.043	27.556	200.01	.043	.459
450	6.180	35.039	27.560	203.23	.041	.459
460	6.047	35.029	27.570	205.85	.045	.462

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
470	5.955	35.030	27.582	209.14	.042	.464
480	5.805	35.028	27.600	213.08	.037	.466
490	5.745	35.030	27.609	215.85	.042	.463
500	5.659	35.016	27.609	218.28	.042	.463
510	5.572	35.018	27.621	221.29	.042	.462
520	5.467	35.007	27.625	223.01	.043	.462
530	5.426	35.018	27.639	224.42	.039	.461
540	5.408	35.013	27.637	224.35	.043	.460
550	5.349	35.014	27.645	225.83	.043	.458
560	5.287	35.009	27.648	226.34	.039	.457
570	5.231	35.008	27.655	229.51	.039	.456
580	5.174	35.008	27.662	230.45	.036	.454
590	5.138	35.006	27.664	232.13	.038	.454
600	5.124	35.008	27.667	231.76	.044	.454
610	5.090	35.007	27.671	232.79	.040	.454
620	5.078	35.008	27.672	233.12	.042	.453
630	5.065	35.007	27.673	233.24	.040	.452
640	5.045	35.003	27.673	233.40	.039	.452
650	5.005	35.003	27.677	233.84	.041	.451
660	4.992	35.003	27.679	238.29	.042	.450
670	4.944	35.002	27.684	239.35	.043	.450
680	4.919	35.002	27.687	239.61	.039	.450
690	4.899	35.002	27.689	241.50	.040	.450
700	4.881	35.001	27.690	243.92	.039	.450
710	4.852	34.999	27.692	244.53	.040	.450
720	4.783	34.994	27.696	244.56	.037	.453
730	4.755	34.994	27.699	246.94	.040	.455
740	4.721	34.996	27.704	247.09	.037	.456
750	4.700	34.993	27.704	247.68	.038	.460
760	4.686	34.992	27.705	247.90	.039	.463
770	4.677	34.991	27.705	247.03	.040	.465
780	4.663	34.991	27.707	247.25	.042	.467
790	4.636	34.990	27.709	247.82	.040	.472
800	4.628	34.990	27.710	245.88	.040	.471
810	4.617	34.989	27.711	247.11	.038	.466
820	4.600	34.990	27.713	247.57	.039	.465
830	4.590	34.990	27.714	248.11	.039	.462
840	4.580	34.989	27.715	249.08	.038	.456
850	4.568	34.989	27.716	248.03	.041	.458
860	4.563	34.988	27.716	247.93	.039	.457
870	4.554	34.987	27.716	246.42	.038	.460

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
47	19 NOV 88	1945	37 38.19	74 13.50	325	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	15.264	34.832	25.785	234.90	.689	.651
5	15.271	34.833	25.784	234.10	.689	.647
6	15.275	34.831	25.782	233.65	.688	.646
7	15.277	34.825	25.777	234.20	.703	.645
8	15.280	34.829	25.779	235.84	.697	.647
9	15.282	34.830	25.779	237.19	.716	.643
10	15.277	34.829	25.780	237.71	.704	.644
11	15.271	34.828	25.780	236.69	.697	.649
12	15.280	34.833	25.782	237.33	.692	.643
13	15.279	34.829	25.779	238.90	.694	.646
14	15.274	34.829	25.780	241.33	.706	.649
15	15.267	34.828	25.781	242.50	.715	.652
16	15.268	34.830	25.782	240.80	.709	.653
17	15.274	34.831	25.782	240.36	.693	.647
18	15.276	34.830	25.781	241.72	.688	.643
19	15.274	34.829	25.781	242.33	.683	.645
20	15.270	34.829	25.781	244.19	.704	.655
21	15.271	34.829	25.781	244.11	.766	.651
22	15.274	34.832	25.783	242.72	.739	.647
23	15.271	34.827	25.779	242.28	.717	.651
24	15.274	34.830	25.781	243.45	.694	.649
25	15.299	34.846	25.788	243.90	.697	.619
26	15.296	34.840	25.784	245.74	.666	.617
27	15.294	34.840	25.785	245.93	.654	.613
28	15.296	34.841	25.785	244.39	.657	.614
29	15.282	34.832	25.781	243.89	.647	.624
30	15.273	34.833	25.784	243.90	.665	.627
31	15.263	34.830	25.784	245.12	.707	.632
32	15.263	34.835	25.787	245.93	.673	.635
33	15.263	34.835	25.788	246.53	.676	.630
34	15.263	34.837	25.789	247.64	.674	.628
35	15.260	34.836	25.789	247.82	.651	.629
36	15.258	34.838	25.791	248.19	.655	.628
37	15.258	34.839	25.792	249.20	.639	.629
38	15.259	34.840	25.792	249.36	.678	.628
39	15.257	34.840	25.793	249.45	.739	.626
40	15.256	34.840	25.793	249.34	.651	.624
41	15.259	34.845	25.796	250.05	.730	.621
42	15.261	34.843	25.794	250.08	.649	.619
43	15.263	34.843	25.794	250.39	.626	.619
44	15.266	34.846	25.795	250.82	.625	.616

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	15.269	34.846	25.795	250.69	.595	.617
46	15.270	34.846	25.794	250.09	.578	.618
47	15.275	34.849	25.796	249.83	.589	.614
48	15.291	34.862	25.802	250.27	.590	.603
49	15.325	34.880	25.808	249.93	.567	.589
50	15.359	34.889	25.808	249.24	.549	.582
52	15.602	35.046	25.874	243.98	.458	.533
54	16.196	35.318	25.948	236.39	.251	.477
56	16.191	35.296	25.932	229.56	.180	.476
58	15.949	35.285	25.980	220.48	.134	.475
60	15.847	35.295	26.010	211.31	.129	.474
62	15.038	35.005	25.969	210.90	.151	.480
64	14.450	35.110	26.177	207.51	.135	.474
66	14.629	35.192	26.202	201.76	.132	.470
68	14.747	35.217	26.195	198.73	.130	.504
70	14.714	35.208	26.196	197.51	.117	.595
72	14.585	35.219	26.233	195.92	.118	.526
74	14.222	35.154	26.260	194.22	.125	.499
76	13.764	35.098	26.313	192.03	.152	.519
78	13.313	35.101	26.409	188.02	.157	.536
80	13.246	35.103	26.424	184.16	.162	.538
82	13.218	35.107	26.432	181.89	.161	.534
84	13.152	35.158	26.485	181.97	.157	.528
86	13.125	35.206	26.528	180.57	.152	.519
88	13.122	35.233	26.549	177.90	.145	.506
90	13.346	35.427	26.654	175.20	.126	.501
92	13.834	35.533	26.635	170.55	.125	.484
94	13.624	35.486	26.642	169.94	.113	.487
96	13.113	35.263	26.574	170.29	.121	.500
98	12.755	35.333	26.701	169.03	.143	.507
100	12.669	35.349	26.730	166.85	.145	.508
102	12.628	35.349	26.739	165.17	.162	.508
104	12.561	35.338	26.743	164.60	.161	.511
106	12.554	35.372	26.771	163.76	.158	.507
108	12.571	35.377	26.771	162.36	.149	.508
110	12.579	35.385	26.776	163.08	.147	.506
112	12.587	35.392	26.780	162.61	.153	.506
114	12.616	35.412	26.790	161.75	.154	.503
116	12.658	35.429	26.794	160.43	.147	.499
118	12.615	35.433	26.806	160.49	.147	.499
120	12.623	35.450	26.818	160.45	.154	.500
122	12.617	35.460	26.826	159.57	.178	.497
124	12.607	35.464	26.832	158.38	.169	.499
126	12.607	35.473	26.839	157.29	.154	.499
128	12.646	35.495	26.848	157.34	.170	.490
130	12.677	35.510	26.853	156.91	.156	.490
132	12.706	35.522	26.857	156.01	.139	.484
134	12.708	35.525	26.859	155.88	.134	.487
136	12.718	35.533	26.863	154.94	.132	.484
138	12.739	35.542	26.866	154.89	.129	.481
140	12.697	35.529	26.864	154.01	.128	.483

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
142	12.688	35.539	26.874	153.20	.130	.480
144	12.675	35.529	26.869	152.03	.126	.482
146	12.640	35.517	26.867	152.95	.127	.482
148	12.556	35.511	26.878	153.45	.132	.484
150	12.631	35.570	26.909	151.82	.117	.471
155	12.309	35.533	26.944	150.58	.080	.466
160	12.094	35.497	26.958	149.00	.103	.469
165	11.912	35.485	26.983	147.44	.076	.469
170	11.721	35.462	27.002	145.72	.066	.463
175	11.580	35.462	27.029	144.21	.059	.460
180	11.373	35.414	27.030	142.94	.050	.459
185	11.007	35.353	27.050	142.58	.049	.459
190	10.866	35.374	27.092	142.30	.052	.459
195	10.845	35.375	27.096	141.67	.053	.460
200	10.829	35.374	27.099	141.36	.051	.459
205	10.622	35.338	27.107	140.75	.046	.461
210	10.474	35.320	27.120	140.40	.075	.461
215	10.230	35.278	27.130	140.42	.054	.462
220	9.891	35.254	27.169	140.43	.054	.464
225	9.838	35.260	27.183	140.11	.055	.469
230	9.778	35.254	27.188	140.39	.055	.471
235	9.625	35.231	27.197	140.64	.054	.480
240	9.391	35.208	27.217	141.11	.050	.478
245	9.184	35.183	27.232	142.88	.053	.485
250	9.076	35.181	27.248	143.80	.054	.488
255	8.846	35.163	27.271	144.33	.052	.481
260	8.789	35.154	27.273	146.03	.053	.483
265	8.704	35.151	27.284	147.25	.056	.484
270	8.627	35.150	27.295	147.99	.050	.488
275	8.463	35.108	27.288	149.50	.050	.488
280	8.208	35.118	27.335	152.56	.050	.483
285	8.161	35.114	27.340	154.57	.048	.483
290	8.118	35.119	27.350	156.02	.049	.479
295	8.048	35.112	27.355	156.07	.048	.480
300	8.020	35.111	27.358	157.44	.058	.489
310	7.645	35.085	27.394	161.15	.049	.480
311	7.611	35.084	27.398	161.41	.045	.483
312	7.586	35.087	27.404	164.32	.044	.482
313	7.552	35.081	27.404	164.91	.049	.480
314	7.470	35.056	27.397	165.59	.048	.480
315	7.386	35.072	27.421	166.95	.046	.483
316	7.338	35.070	27.426	169.22	.048	.495
317	7.301	35.076	27.437	169.52	.049	.500
318	7.290	35.077	27.439	170.85	.049	.506
319	7.288	35.077	27.439	171.62	.046	.506
320	7.247	35.067	27.437	171.92	.049	.509
321	7.233	35.074	27.445	171.88	.050	.510
322	7.215	35.071	27.445	172.79	.046	.511
323	7.204	35.074	27.449	173.75	.046	.513

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
48	19 NOV 88	1955	37 39.96	74 17.43	105	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	15.037	34.745	25.768	236.93	.688	.670
5	15.041	34.745	25.767	236.25	.698	.673
6	15.045	34.746	25.767	235.44	.688	.670
7	15.045	34.745	25.767	236.41	.682	.666
8	15.042	34.744	25.766	238.26	.706	.671
9	15.037	34.743	25.766	240.03	.871	.672
10	15.034	34.741	25.766	241.24	.768	.673
11	15.033	34.743	25.767	241.46	.723	.675
12	15.038	34.743	25.766	241.77	.786	.676
13	15.039	34.743	25.766	241.96	.730	.672
14	15.042	34.743	25.766	241.93	.817	.671
15	15.047	34.748	25.768	240.87	.729	.670
16	15.068	34.761	25.773	240.44	.693	.661
17	15.083	34.764	25.773	240.23	.677	.658
18	15.136	34.799	25.788	239.30	.670	.645
19	15.181	34.805	25.783	239.09	.739	.642
20	15.214	34.815	25.783	239.44	.735	.638
21	15.240	34.831	25.789	239.17	.732	.631
22	15.270	34.854	25.801	239.56	.683	.641
23	15.292	34.858	25.799	239.82	.688	.652
24	15.293	34.855	25.796	239.67	.895	.642
25	15.302	34.861	25.799	240.17	.824	.639
26	15.314	34.863	25.797	239.88	.754	.634
27	15.318	34.866	25.799	239.92	.700	.630
28	15.321	34.864	25.797	239.41	.741	.629
29	15.311	34.862	25.798	240.14	.708	.633
30	15.316	34.865	25.799	241.36	.712	.630
31	15.311	34.861	25.797	242.27	.673	.630
32	15.298	34.860	25.799	242.33	.676	.631
33	15.298	34.860	25.799	242.30	.664	.636
34	15.301	34.861	25.799	242.39	.675	.634
35	15.299	34.865	25.803	241.40	.674	.633
36	15.311	34.875	25.808	241.53	.634	.613
37	15.326	34.883	25.810	240.73	.579	.602
38	15.342	34.887	25.810	240.49	.553	.594
39	15.360	34.895	25.812	239.66	.489	.581
40	15.381	34.908	25.817	238.35	.445	.569
41	15.496	35.018	25.877	235.86	.405	.536
42	15.879	35.218	25.944	231.18	.306	.494
43	16.122	35.268	25.927	228.33	.209	.476
44	16.188	35.251	25.899	225.60	.154	.475

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	16.235	35.285	25.913	221.55	.130	.471
46	16.258	35.299	25.919	218.44	.124	.468
47	16.202	35.302	25.934	216.52	.119	.470
48	16.120	35.314	25.962	213.78	.112	.466
49	15.925	35.267	25.971	212.47	.102	.465
50	15.749	35.290	26.029	210.22	.111	.464
52	15.700	35.309	26.055	205.57	.110	.464
54	15.643	35.309	26.067	201.88	.100	.463
56	15.590	35.306	26.077	200.48	.104	.463
58	15.489	35.304	26.098	199.35	.128	.462
60	15.426	35.287	26.100	198.12	.110	.462
62	15.396	35.304	26.119	197.77	.099	.463
64	15.052	35.260	26.162	199.46	.097	.465
66	14.917	35.274	26.203	196.56	.101	.463
68	14.865	35.283	26.221	193.98	.098	.462
70	14.826	35.310	26.250	192.17	.095	.463
72	14.666	35.321	26.293	190.13	.097	.464
74	14.365	35.290	26.334	188.04	.097	.468
76	14.159	35.310	26.394	185.12	.100	.467
78	14.016	35.331	26.441	182.65	.095	.466
80	13.896	35.346	26.477	180.23	.101	.467
82	13.852	35.381	26.513	177.54	.094	.470
84	13.859	35.493	26.599	175.02	.100	.471
86	13.959	35.541	26.615	173.27	.094	.472
88	13.980	35.544	26.613	170.58	.093	.472
90	13.987	35.549	26.615	168.82	.102	.472
91	13.990	35.554	26.618	168.01	.100	.472
92	13.987	35.553	26.618	167.71	.096	.471
93	13.965	35.551	26.621	166.72	.104	.472
94	13.900	35.543	26.629	165.67	.107	.476
95	13.802	35.531	26.640	165.12	.103	.481
96	13.658	35.539	26.677	164.97	.108	.485
97	13.537	35.527	26.692	164.24	.117	.489
98	13.394	35.506	26.705	162.84	.128	.493
99	13.340	35.498	26.710	162.46	.130	.498

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
49	19 NOV 88	2108	37 40.58	74 20.59	95	93

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	15.006	34.731	25.764	-------	.906	.672
3	15.010	34.733	25.764	249.29	.869	.679
4	15.009	34.730	25.762	248.62	.786	.675
5	15.008	34.731	25.764	248.26	.738	.677
6	15.017	34.734	25.764	248.24	.757	.672
7	15.024	34.735	25.763	248.08	.741	.674
8	15.032	34.739	25.765	248.15	.759	.667
9	15.034	34.741	25.765	248.44	.729	.662
10	15.042	34.743	25.766	248.91	.700	.662
11	15.049	34.748	25.767	247.86	.686	.658
12	15.051	34.747	25.767	247.06	.700	.654
13	15.075	34.768	25.778	246.26	.702	.632
14	15.094	34.772	25.776	246.72	.715	.621
15	15.133	34.801	25.790	246.95	.678	.611
16	15.150	34.798	25.784	247.84	.596	.615
17	15.154	34.797	25.783	247.65	.592	.607
18	15.167	34.806	25.787	246.99	.575	.604
19	15.180	34.811	25.787	246.29	.559	.598
20	15.194	34.817	25.789	246.18	.523	.593
21	15.222	34.830	25.793	245.06	.554	.590
22	15.249	34.838	25.793	243.12	.743	.595
23	15.280	34.851	25.796	240.76	.616	.578
24	15.309	34.862	25.798	240.14	.495	.574
25	15.339	34.870	25.797	238.70	.456	.569
26	15.351	34.870	25.795	239.29	.432	.567
27	15.397	34.910	25.815	238.69	.587	.567
28	15.492	34.940	25.818	237.53	.460	.558
29	15.599	34.991	25.832	236.48	.366	.543
30	15.725	35.045	25.846	236.13	.359	.533
31	15.830	35.071	25.842	235.96	.351	.528
32	15.931	35.139	25.871	235.96	.288	.524
33	16.038	35.181	25.879	234.86	.293	.521
34	16.105	35.197	25.876	234.21	.272	.518
35	16.142	35.206	25.874	234.26	.237	.517
36	16.161	35.208	25.872	234.90	.230	.520
37	16.175	35.214	25.873	235.51	.251	.518
38	16.182	35.214	25.872	235.09	.223	.516
39	16.185	35.213	25.870	233.89	.233	.516
40	16.186	35.213	25.869	233.87	.218	.517
41	16.186	35.212	25.869	234.71	.200	.514
42	16.185	35.213	25.870	235.49	.220	.515

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	16.185	35.212	25.869	236.20	.230	.518
44	16.184	35.214	25.871	236.02	.211	.515
45	16.183	35.213	25.870	235.35	.268	.511
46	16.181	35.214	25.871	234.89	.272	.511
47	16.180	35.216	25.873	234.92	.235	.511
48	16.169	35.216	25.876	236.01	.221	.536
49	16.162	35.219	25.880	236.05	.198	.505
50	16.160	35.221	25.882	235.63	.206	.503
52	16.143	35.215	25.881	232.68	.172	.499
54	15.958	35.194	25.907	229.82	.182	.493
56	15.764	35.164	25.929	227.08	.183	.491
58	15.560	35.137	25.954	220.86	.178	.488
60	15.297	35.185	26.050	216.59	.157	.480
62	15.465	35.327	26.121	209.08	.161	.480
64	15.516	35.309	26.096	206.09	.166	.480
66	15.498	35.286	26.083	204.89	.115	.480
68	15.511	35.311	26.099	203.32	.122	.479
70	15.500	35.312	26.102	202.79	.115	.479
72	15.419	35.361	26.158	202.61	.109	.474
74	15.161	35.371	26.223	199.97	.107	.476
76	15.030	35.409	26.282	194.00	.112	.476
78	14.998	35.435	26.308	190.65	.108	.475
80	14.919	35.448	26.336	188.38	.106	.477
81	14.937	35.493	26.367	186.00	.113	.471
82	14.928	35.487	26.364	184.25	.103	.474
83	14.805	35.456	26.367	183.49	.108	.478
84	14.624	35.468	26.416	183.06	.107	.492
85	14.568	35.502	26.454	181.34	.109	.498
86	14.497	35.499	26.467	175.60	.108	.499
87	14.236	35.329	26.392	174.32	.111	.525
88	13.802	35.330	26.485	175.21	.125	.562
89	13.719	35.366	26.530	171.74	.150	.570
90	13.675	35.351	26.527	169.17	.144	.586
91	13.629	35.347	26.534	169.90	.147	.595
92	13.555	35.345	26.548	169.62	.155	.613
93	13.474	35.338	26.559	168.83	.159	.642

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
51	19 NOV 88	2329	37 45.60	74 38.09	53	51

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.243	33.218	24.965	-------	1.138	.904
3	13.244	33.218	24.965	268.36	1.147	.906
4	13.240	33.217	24.965	267.50	1.152	.900
5	13.240	33.217	24.965	268.07	1.158	.900
6	13.240	33.217	24.965	268.09	1.155	.902
7	13.234	33.213	24.963	268.64	1.264	.903
8	13.234	33.216	24.965	269.83	1.396	.902
9	13.235	33.215	24.964	270.17	1.203	.902
10	13.233	33.213	24.963	269.08	1.239	.906
11	13.240	33.223	24.969	268.28	1.317	.899
12	13.321	33.285	25.001	266.70	1.315	.880
13	13.364	33.276	24.986	265.61	1.614	.858
14	13.378	33.276	24.983	265.12	1.348	.853
15	13.381	33.277	24.983	263.02	1.250	.854
16	13.389	33.281	24.984	262.24	1.257	.850
17	13.392	33.278	24.982	261.39	1.226	.844
18	13.399	33.283	24.984	261.07	1.200	.840
19	13.403	33.283	24.983	260.72	1.198	.837
20	13.407	33.286	24.984	260.65	1.227	.833
21	13.410	33.285	24.983	261.00	1.261	.830
22	13.411	33.285	24.983	260.45	1.311	.831
23	13.416	33.289	24.985	260.17	1.245	.829
24	13.421	33.290	24.985	260.59	1.230	.825
25	13.422	33.289	24.984	261.49	1.259	.825
26	13.423	33.289	24.984	262.30	1.447	.827
27	13.423	33.290	24.985	262.97	1.324	.824
28	13.423	33.292	24.986	262.68	1.255	.820
29	13.432	33.295	24.987	262.21	1.239	.819
30	13.441	33.297	24.986	262.35	1.241	.813
31	13.443	33.297	24.986	261.30	1.444	.812
32	13.444	33.297	24.986	260.19	1.642	.810
33	13.444	33.298	24.986	260.21	1.426	.810
34	13.446	33.299	24.986	259.78	1.334	.822
35	13.446	33.306	24.992	257.13	1.267	.803
36	13.440	33.335	25.016	252.48	1.159	.772
37	13.114	33.513	25.219	248.86	.926	.646
38	12.625	33.866	25.589	246.03	.537	.547
39	12.491	33.967	25.694	234.60	.319	.546
40	12.470	33.989	25.714	216.96	.484	.543
41	12.414	33.987	25.724	203.02	.245	.542
42	12.353	34.001	25.746	191.99	.284	.552

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	12.295	34.017	25.770	186.25	.561	.563
44	12.260	34.031	25.788	186.19	.426	.568
45	12.226	34.039	25.800	186.05	.403	.557
46	12.218	34.055	25.814	185.53	.719	.559
47	12.248	34.090	25.836	185.38	.430	.558
48	12.351	34.126	25.844	184.43	.350	.562
49	12.668	34.378	25.977	183.09	.236	.574
50	12.890	34.380	25.935	182.78	.238	.574

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
52	20 NOV 88	0012	37 47.64	74 44.65	39	37

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	13.884	33.411	24.984	254.64	1.440	.882
5	13.884	33.414	24.986	253.17	1.424	.880
6	13.887	33.413	24.985	251.10	1.539	.884
7	13.889	33.411	24.983	249.77	1.554	.879
8	13.889	33.413	24.984	249.89	1.462	.878
9	13.888	33.412	24.984	249.81	1.582	.881
10	13.886	33.413	24.985	248.89	1.591	.880
11	13.889	33.413	24.985	249.06	1.658	.878
12	13.890	33.413	24.984	248.84	1.790	.883
13	13.888	33.414	24.985	248.55	1.581	.883
14	13.892	33.416	24.986	248.75	1.583	.880
15	13.896	33.416	24.985	248.98	1.463	.879
16	13.899	33.418	24.986	249.26	1.414	.880
17	13.899	33.418	24.986	250.22	1.402	.876
18	13.906	33.419	24.986	250.88	1.503	.877
19	13.907	33.420	24.986	250.72	1.603	.876
20	13.907	33.421	24.987	251.54	1.976	.882
21	13.909	33.422	24.987	251.55	1.743	.876
22	13.909	33.420	24.986	251.59	1.680	.882
23	13.908	33.420	24.986	250.00	2.053	.877
24	13.908	33.421	24.986	250.06	1.866	.881
25	13.918	33.429	24.991	251.19	1.614	.880
26	13.923	33.428	24.989	251.28	1.599	.876
27	13.925	33.427	24.988	252.24	2.126	.881
28	13.927	33.428	24.989	251.59	2.387	.871
29	13.921	33.432	24.993	252.02	1.841	.870
30	13.908	33.438	25.000	252.78	1.871	.842
31	13.885	33.441	25.007	252.66	1.957	.832
32	13.872	33.447	25.014	249.71	1.531	.810
33	13.864	33.451	25.019	245.96	1.158	.804
34	13.556	33.418	25.056	242.22	1.565	.772
35	12.956	33.496	25.237	238.42	1.451	.762
36	12.432	33.508	25.349	216.54	.885	.700
37	12.220	33.619	25.475	199.32	.872	.717
38	12.159	33.633	25.498	190.25	1.155	.713

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
53	20 NOV 88	0118	37 52.02	74 54.85	27	25

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	14.429	33.639	25.046	-------	------	.982
3	14.431	33.640	25.046	247.23	------	.982
4	14.431	33.639	25.045	247.44	------	.985
5	14.432	33.639	25.046	247.69	------	.985
6	14.431	33.639	25.045	247.90	------	.982
7	14.427	33.640	25.047	248.90	------	.988
8	14.430	33.641	25.047	249.70	------	.985
9	14.434	33.640	25.045	250.50	------	.981
10	14.436	33.639	25.045	249.53	------	.978
11	14.436	33.641	25.046	248.98	------	.978
12	14.436	33.640	25.046	249.01	------	.984
13	14.436	33.640	25.045	249.08	------	.977
14	14.436	33.640	25.045	249.88	------	.982
15	14.436	33.641	25.046	250.27	------	.988
16	14.436	33.641	25.046	250.42	------	.980
17	14.436	33.640	25.045	249.65	------	.977
18	14.436	33.640	25.045	249.11	------	.986
19	14.436	33.640	25.046	248.03	------	.982
20	14.436	33.641	25.046	247.53	------	.983
21	14.438	33.640	25.045	246.89	------	.982
22	14.438	33.641	25.046	247.32	------	.979
23	14.438	33.641	25.045	248.45	------	.974
24	14.438	33.641	25.046	247.87	------	.979
25	14.439	33.640	25.045	247.89	------	.972

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
54	20 NOV 88	0208	37 55.78	75 1.89	17	15

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	13.817	33.235	24.862	-------	------	1.024
3	13.821	33.233	24.860	257.99	------	1.013
4	13.822	33.233	24.859	257.06	------	1.007
5	13.822	33.232	24.859	257.12	------	1.005
6	13.823	33.232	24.858	255.75	------	1.009
7	13.822	33.233	24.859	254.25	------	1.005
8	13.823	33.232	24.858	254.56	------	1.006
9	13.823	33.233	24.859	257.66	------	1.012
10	13.824	33.233	24.859	259.14	------	1.007
11	13.824	33.233	24.859	259.57	------	1.011
12	13.824	33.233	24.858	257.78	------	1.013
13	13.825	33.233	24.859	257.42	------	1.012
14	13.825	33.233	24.858	256.92	------	1.010
15	13.825	33.233	24.859	257.31	------	1.014

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM COEF 1/METI
44	16.764	35.131	25.672	-------	------	.562
45	16.764	35.133	25.673	-------	------	.562
46	16.764	35.133	25.673	-------	------	.561
47	16.765	35.134	25.674	-------	------	.559
48	16.766	35.136	25.675	-------	------	.552
49	16.770	35.135	25.674	-------	------	.545
50	16.779	35.137	25.673	-------	------	.541
52	16.788	35.148	25.679	-------	------	.532
54	16.808	35.161	25.684	-------	------	.528
56	16.817	35.174	25.692	-------	------	.522
58	16.830	35.218	25.723	-------	------	.502
60	16.790	35.258	25.763	-------	------	.595
62	16.743	35.284	25.794	-------	------	.490

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
57	20 NOV 88	2244	39 39.52	70 53.91	924	922

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	16.116	34.992	25.716	-------	.428	.879
3	16.114	34.996	25.720	263.16	.433	.592
4	16.114	34.997	25.720	258.97	.434	.576
5	16.111	34.997	25.721	256.27	.433	.572
6	16.110	34.995	25.720	254.10	.434	.570
7	16.110	34.997	25.721	255.20	.439	.568
8	16.111	34.998	25.722	258.01	.436	.568
9	16.111	34.999	25.722	255.81	.446	.568
10	16.112	34.997	25.721	255.16	.488	.567
11	16.112	34.997	25.720	256.10	.596	.568
12	16.121	35.006	25.726	258.03	.472	.564
13	16.133	35.014	25.729	257.79	.446	.560
14	16.137	35.014	25.728	257.86	.442	.561
15	16.136	35.013	25.728	258.23	.437	.561
16	16.135	35.013	25.727	257.77	.442	.561
17	16.135	35.012	25.727	254.93	.443	.561
18	16.135	35.011	25.726	254.16	.463	.561
19	16.135	35.011	25.726	254.02	.475	.564
20	16.136	35.011	25.726	254.33	.447	.570
21	16.134	35.010	25.725	252.27	.436	.561
22	16.134	35.010	25.726	251.35	.441	.562
23	16.136	35.012	25.726	250.96	.430	.562
24	16.138	35.011	25.725	253.03	.443	.562
25	16.137	35.009	25.724	253.31	.457	.562
26	16.148	35.024	25.733	253.18	.466	.562
27	16.161	35.031	25.735	253.28	.466	.560
28	16.163	35.026	25.731	255.50	.455	.559
29	16.157	35.019	25.727	259.03	.448	.561
30	16.156	35.018	25.727	258.56	.449	.561
31	16.151	35.017	25.727	259.14	.446	.561
32	16.155	35.020	25.728	258.86	.465	.560
33	16.162	35.024	25.730	257.14	.449	.560
34	16.163	35.023	25.729	256.61	.440	.561
35	16.161	35.022	25.728	256.24	.435	.561
36	16.159	35.021	25.728	255.89	.424	.603
37	16.157	35.020	25.728	255.40	.439	.871
38	16.180	35.050	25.746	253.84	.436	1.073
39	16.223	35.068	25.750	251.73	.439	.730
40	16.274	35.116	25.775	249.38	.445	.552
41	16.346	35.135	25.772	249.13	.443	.550
42	16.426	35.182	25.790	250.51	.386	.558

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT'. COEFF. 1/METER
43	16.459	35.193	25.791	249.49	.374	.542
44	16.472	35.199	25.793	249.81	.371	.542
45	16.496	35.219	25.802	249.63	.364	.540
46	16.562	35.261	25.819	249.45	.359	.534
47	16.595	35.262	25.812	249.83	.345	.534
48	16.604	35.264	25.812	247.86	.342	.535
49	16.610	35.267	25.813	243.21	.340	.535
50	16.617	35.269	25.812	235.51	.339	.533
52	16.625	35.270	25.812	215.14	.336	.533
54	16.637	35.276	25.813	160.65	.324	.534
56	16.648	35.281	25.814	182.61	.380	.532
58	16.659	35.289	25.818	169.13	.344	.530
60	16.677	35.295	25.818	180.68	.320	.528
62	16.694	35.303	25.821	183.79	.310	.524
64	16.703	35.325	25.835	178.28	.264	.512
66	16.626	35.310	25.842	171.76	.202	.498
68	16.504	35.353	25.903	167.65	.145	.484
70	16.580	35.417	25.935	158.53	.109	.482
72	16.660	35.470	25.956	157.04	.101	.480
74	17.146	35.805	26.098	155.48	.099	.478
76	16.747	35.666	26.086	155.33	.084	.478
78	16.335	35.591	26.126	150.50	.081	.477
80	16.041	35.545	26.159	146.21	.078	.477
82	15.712	35.518	26.213	147.50	.083	.477
84	15.575	35.495	26.226	150.16	.078	.479
86	15.529	35.518	26.254	139.13	.086	.478
88	15.454	35.532	26.282	138.84	.090	.477
90	15.409	35.562	26.315	140.42	.091	.476
92	15.319	35.590	26.357	139.10	.088	.474
94	15.346	35.606	26.363	138.50	.084	.474
96	15.317	35.616	26.377	136.32	.083	.474
98	15.210	35.602	26.391	135.91	.080	.489
100	15.204	35.680	26.452	134.49	.077	.473
102	15.172	35.697	26.472	133.84	.075	.473
104	15.155	35.710	26.486	134.55	.070	.473
106	15.083	35.709	26.501	213.58	.066	.472
108	15.084	35.750	26.532	230.44	.070	.472
110	15.157	35.803	26.557	--------	.065	.472
112	15.135	35.803	26.563	254.19	.069	.472
114	15.076	35.800	26.573	131.26	.065	.472
116	15.043	35.792	26.574	177.75	.062	.472
118	14.951	35.760	26.570	192.67	.064	.471
120	14.784	35.755	26.603	194.87	.058	.471
122	14.686	35.742	26.614	193.61	.065	.471
124	14.615	35.744	26.631	192.53	.056	.471
126	14.564	35.750	26.647	191.16	.056	.471
128	14.518	35.750	26.657	187.87	.053	.470
130	14.411	35.726	26.661	184.71	.051	.470
132	14.290	35.716	26.679	183.76	.052	.471
134	14.169	35.700	26.693	184.53	.056	.471
136	14.078	35.700	26.712	184.34	.054	.470

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	14.032	35.704	26.726	181.59	.057	.521
140	14.019	35.721	26.741	179.36	.053	.469
142	13.982	35.717	26.746	177.35	.051	.469
144	13.963	35.723	26.754	175.91	.054	.469
146	13.948	35.728	26.762	173.38	.055	.468
148	13.942	35.731	26.765	172.97	.056	.468
150	13.906	35.726	26.769	172.38	.062	.468
155	13.776	35.717	26.789	170.03	.053	.467
160	13.560	35.674	26.801	166.28	.055	.467
165	13.368	35.672	26.839	162.64	.054	.467
170	13.305	35.678	26.857	159.73	.048	.466
175	13.151	35.660	26.874	158.37	.050	.466
180	12.955	35.635	26.895	157.77	.050	.466
185	12.783	35.612	26.911	154.39	.046	.468
190	12.620	35.575	26.915	150.24	.046	.466
195	12.405	35.564	26.950	151.36	.046	.465
200	12.237	35.526	26.953	149.49	.050	.466
205	12.034	35.511	26.980	147.04	.041	.465
210	11.912	35.501	26.996	148.47	.046	.465
215	11.774	35.481	27.006	146.22	.048	.466
220	11.623	35.459	27.018	143.33	.045	.465
225	11.452	35.442	27.037	144.30	.043	.464
230	11.265	35.418	27.053	142.48	.044	.464
235	11.153	35.412	27.069	140.83	.155	.549
240	11.022	35.393	27.078	141.64	.046	.465
245	10.938	35.378	27.082	141.95	.047	.465
250	10.885	35.376	27.090	140.60	.050	.464
255	10.679	35.344	27.102	139.77	.045	.464
260	10.584	35.336	27.113	139.13	.045	.464
265	10.532	35.330	27.117	139.63	.045	.464
270	10.430	35.319	27.127	138.52	.045	.464
275	10.333	35.299	27.128	139.78	.043	.464
280	10.182	35.285	27.144	139.31	.045	.464
285	10.033	35.272	27.159	139.25	.052	.464
290	9.913	35.255	27.167	139.34	.043	.464
295	9.824	35.250	27.177	138.12	.045	.465

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
58	21 NOV 88	0038	39 50.00	70 55.06	975	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	14.946	34.495	25.595	258.42	.684	.705
4	14.941	34.495	25.597	259.58	.663	.691
5	14.940	34.496	25.597	261.78	.663	.688
6	14.939	34.497	25.599	264.11	.669	.687
7	14.943	34.494	25.595	269.91	.669	.687
8	14.943	34.494	25.595	268.92	.673	.690
9	14.943	34.493	25.594	266.86	.685	.691
10	14.944	34.494	25.595	264.68	.725	.690
11	14.943	34.492	25.593	260.31	.723	.690
12	14.940	34.491	25.594	258.79	.713	.691
13	14.939	34.492	25.594	258.39	.689	.692
14	14.937	34.490	25.594	260.37	.683	.691
15	14.937	34.491	25.594	260.90	.679	.692
16	14.938	34.491	25.593	261.31	.703	.691
17	14.939	34.492	25.594	262.15	.789	.690
18	14.941	34.495	25.597	262.68	.788	.691
19	14.944	34.497	25.597	263.64	.768	.692
20	15.002	34.553	25.628	262.99	.752	.684
21	15.073	34.572	25.627	263.09	.725	.669
22	15.132	34.606	25.640	262.95	.705	.656
23	15.214	34.650	25.656	262.80	.674	.641
24	15.252	34.655	25.651	261.77	.669	.633
25	15.345	34.692	25.659	259.40	.570	.615
26	15.408	34.720	25.666	257.09	.526	.608
27	15.479	34.760	25.682	255.19	.515	.590
28	15.504	34.753	25.671	254.09	.496	.587
29	15.521	34.758	25.671	253.37	.481	.586
30	15.562	34.785	25.682	252.89	.459	.581
31	15.599	34.801	25.686	252.38	.431	.573
32	15.614	34.804	25.685	252.19	.415	.568
33	15.625	34.803	25.682	230.23	.408	.566
34	15.631	34.806	25.683	231.31	.406	.564
35	15.632	34.805	25.682	206.78	.412	.563
36	15.636	34.807	25.682	197.98	.402	.562
37	15.643	34.815	25.687	202.81	.394	.561
38	15.652	34.822	25.690	316.64	.380	.557
39	15.654	34.818	25.687	198.19	.396	.558
40	15.657	34.822	25.689	207.13	.438	.558
41	15.659	34.821	25.688	293.87	.383	.556
42	15.663	34.826	25.691	170.58	.390	.555
43	15.672	34.829	25.691	236.25	.375	.553

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	15.692	34.837	25.693	250.54	.357	.555
45	15.704	34.842	25.694	253.67	.364	.551
46	15.721	34.853	25.699	259.81	.380	.554
47	15.741	34.856	25.697	251.68	.361	.551
48	15.776	34.881	25.708	248.91	.354	.547
49	15.882	34.943	25.732	249.24	.338	.544
50	16.032	35.012	25.750	246.96	.324	.538
52	16.819	35.523	25.960	234.84	.280	.504
54	17.607	35.868	26.035	215.24	.114	.480
56	17.469	35.717	25.952	213.57	.097	.480
58	16.920	35.650	26.033	209.01	.090	.481
60	16.610	35.662	26.116	209.41	.083	.482
62	16.514	35.671	26.146	202.36	.083	.480
64	16.371	35.654	26.166	199.15	.086	.481
66	16.121	35.618	26.196	198.57	.087	.481
68	15.860	35.600	26.242	196.31	.088	.482
70	15.617	35.574	26.277	193.99	.081	.482
72	15.537	35.652	26.355	190.43	.078	.480
74	15.508	35.681	26.384	185.21	.076	.477
76	15.376	35.655	26.394	182.71	.077	.478
78	15.299	35.714	26.457	181.71	.074	.476
80	15.049	35.683	26.488	180.71	.069	.476
82	14.901	35.705	26.539	178.95	.067	.476
84	14.789	35.697	26.557	178.27	.066	.477
86	14.728	35.697	26.570	177.97	.065	.476
88	14.654	35.697	26.586	176.95	.062	.477
90	14.574	35.689	26.597	177.38	.064	.477
92	14.433	35.675	26.617	176.54	.061	.477
94	14.349	35.674	26.635	176.08	.056	.477
96	14.298	35.669	26.642	176.62	.058	.477
98	14.270	35.728	26.693	174.91	.066	.473
100	14.203	35.704	26.689	174.72	.059	.472
102	14.155	35.722	26.713	173.89	.053	.471
104	14.055	35.693	26.712	172.45	.054	.471
106	13.899	35.678	26.734	172.48	.057	.470
108	13.852	35.692	26.754	172.86	.055	.469
110	13.799	35.694	26.767	172.37	.052	.469
112	13.748	35.677	26.764	171.01	.048	.469
114	13.653	35.661	26.772	171.08	.053	.480
116	13.506	35.648	26.792	171.75	.088	.470
118	13.433	35.638	26.799	170.99	.099	.469
120	13.361	35.638	26.814	170.86	.046	.468
122	13.305	35.633	26.822	171.24	.048	.510
124	13.246	35.627	26.830	169.55	.053	.468
126	13.198	35.617	26.832	169.16	.049	.468
128	13.154	35.614	26.838	169.38	.047	.468
130	13.085	35.601	26.842	171.55	.043	.468
132	13.036	35.618	26.865	170.15	.045	.466
134	12.969	35.608	26.871	166.68	.047	.467
136	12.962	35.616	26.878	181.42	.046	.467
138	12.961	35.626	26.887	159.12	.045	.468

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	12.931	35.615	26.884	157.19	.047	.468
142	12.878	35.606	26.888	158.89	.048	.469
144	12.774	35.589	26.896	159.32	.046	.468
146	12.715	35.593	26.910	162.34	.046	.469
148	12.519	35.561	26.925	155.46	.049	.468
150	12.454	35.563	26.939	153.89	.048	.466
155	12.389	35.556	26.946	152.14	.048	.468
160	12.274	35.546	26.961	150.48	.044	.465
165	12.145	35.527	26.971	149.96	.043	.466
170	11.946	35.491	26.982	148.32	.048	.467
175	11.725	35.465	27.004	147.18	.045	.464
180	11.542	35.450	27.026	146.42	.043	.463
185	11.321	35.426	27.049	144.19	.044	.466
190	11.185	35.412	27.063	142.14	.047	.464
195	11.096	35.407	27.076	142.09	.048	.465
200	10.920	35.376	27.083	141.18	.056	.467
205	10.854	35.372	27.092	140.43	.046	.464
210	10.757	35.357	27.098	141.40	.044	.464
215	10.570	35.325	27.106	142.96	.045	.464
220	10.308	35.297	27.131	138.08	.042	.464
225	10.153	35.276	27.142	140.43	.045	.464
230	10.081	35.277	27.155	140.51	.042	.464
235	9.970	35.255	27.157	140.16	.047	.463
240	9.822	35.239	27.169	141.35	.051	.463
245	9.777	35.253	27.188	142.30	.046	.460
250	9.710	35.243	27.192	144.87	.044	.459
255	9.601	35.219	27.192	144.56	.045	.459
260	9.472	35.216	27.211	144.19	.043	.460
265	9.345	35.188	27.210	143.64	.046	.461
270	9.236	35.179	27.220	145.25	.044	.461
275	9.087	35.162	27.232	145.69	.044	.462
280	8.934	35.163	27.257	145.53	.042	.462
285	8.825	35.149	27.263	146.16	.044	.463
290	8.607	35.126	27.280	148.18	.043	.462

SEEP2-08

NISKIN BOTTLE DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	11 NOV 88	1320	37 45.47	74 36.34	56	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.49	2.15	1.12	.06	.03
6	.78	3.21	1.20	.12	.13
11	.71	3.47	1.28	.12	.09
14	.79	3.71	1.27	.14	.09
18	.66	3.51	1.32	.12	.15
26	.73	4.74	1.52	.17	.22

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.82	.51	-------	144.3	23.9
6	2.26	.68	-------	154.6	22.0
11	2.04	.67	-------	162.6	29.3
14	1.85	.52	-------	196.6	26.9
18	1.98	.55	-------	171.3	25.9
26	1.55	.42	-------	149.0	23.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	11 NOV 88	2225	37 47.26	74 45.27	41	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
23	.35	1.04	1.85	.04	.09
35	.47	2.88	3.86	.12	.12

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
23	2.50	.59	258.27	171.5	26.8
35	2.19	.48	243.99	158.8	31.2

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	11 NOV 88	2340	37 45.49	74 37.11	54	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.31	1.64	1.79	.03	-.01
42	.70	7.70	9.56	.29	-.02
53	.90	10.52	12.18	.34	-.03

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.76	.58	-------	200.5	27.8
42	.37	.29	-------	81.3	5.2
53	.40	.30	191.34	99.6	7.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	12 NOV 88	0045	37 43.89	74 31.21	58	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
7	.17	2.21	1.77	.02	------
17	.18	2.12	1.83	.02	------
30	.16	2.17	2.96	.29	------
49	.67	8.16	10.18	.20	------
57	.23	1.92	2.27	.42	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
7	1.95	.47	274.50	173.8	24.9
17	1.70	.49	-------	173.8	27.4
30	.40	.18	-------	45.6	1.5
49	.18	.17	-------	55.1	.5
57	.29	.23	194.36	70.3	6.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	12 NOV 88	0200	37 42.64	74 24.40	67	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.13	2.09	1.61	.03	.14
20	.48	2.46	2.40	.08	.16
40	.27	2.19	4.25	.27	.30
64	.82	8.95	12.17	.25	.17
65	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.67	.44	268.98	187.2	29.3
20	1.92	.38	-------	225.8	24.9
40	.22	.17	-------	49.7	------
64	.26	.32	-------	51.8	5.9
65	.30	.38	-------	62.3	7.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
6	12 NOV 88	0250	37 41.85	74 21.35	82	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.26	2.20	1.43	.02	.76
23	.21	2.14	2.05	.09	.20
53	.31	2.61	5.93	.34	.29
78	.92	9.22	16.08	.13	.12
81	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.82	.51	273.18	205.3	35.1
23	1.58	.42	-------	213.8	34.0
53	.19	.15	-------	27.9	5.4
78	.15	.25	-------	50.9	2.9
81	.16	.29	-------	47.6	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	12 NOV 88	0345	37 39.89	74 16.75	116	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.31	2.07	1.26	.03	.01
22	.25	1.99	1.75	.13	.09
49	.29	2.49	3.64	.40	.17
78	.53	4.20	9.59	.26	-.03
109	1.11	8.49	21.17	.05	-.03
114	1.14	8.69	21.40	.06	-.03

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.51	.37	271.39	121.7	23.1
22	.87	.94	-------	129.3	24.8
49	.31	.18	-------	60.1	7.3
78	.39	.20	-------	51.9	4.4
109	.07	.08	-------	33.0	3.9
114	.06	.06	174.12	78.9	8.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	12 NOV 88	0435	37 38.10	74 13.35	342	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.27	1.95	1.26	.03	.08
20	.18	------	2.15	.03	.08
53	.41	3.28	6.30	.33	.13
103	.99	7.14	18.99	.04	.09
336	1.66	14.94	29.26	.04	.11
340	1.67	15.28	29.21	.04	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.45	.51	269.03	155.3	20.5
20	1.25	.45	-------	165.6	27.8
53	.41	.22	-------	71.1	14.2
103	.05	.05	-------	56.3	9.3
336	.02	.06	-------	63.6	------
340	.02	.07	174.12	71.7	8.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	12 NOV 88	0545	37 36.03	74 8.40	1061	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.13	1.34	1.20	.03	0.00
21	.13	1.20	1.43	.05	-.02
51	.14	1.43	2.32	.13	.05
300	1.72	15.47	30.92	.03	-.06
791	1.33	12.39	23.42	.02	0.00
1053	1.29	12.48	22.60	.02	-.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.30	.55	256.42	61.7	5.4
21	1.27	.50	-------	170.1	11.7
51	------	------	-------	101.9	6.4
300	.01	.04	-------	42.5	1.5
791	------	------	-------	------	------
1053	------	------	266.94	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	12 NOV 88	1318	37 32.56	74 26.20	92	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.28	2.14	1.03	.04	.02
7	.31	2.20	1.05	.04	.08
11	.28	2.29	1.17	.02	.02
14	.31	2.34	1.20	.04	.04
20	.29	2.42	1.45	.04	.03
32	.48	4.71	4.50	.18	0.00

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.10	.61	-------	82.7	11.7
7	1.95	.50	-------	141.3	15.6
11	2.41	.49	-------	75.7	14.6
14	2.13	.43	-------	64.3	13.7
20	1.92	.38	-------	193.3	23.9
32	.66	.17	-------	143.9	12.2

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	12 NOV 88	2330	36 50.50	74 20.00	1962	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.16	1.83	.93	.03	-.02
25	.20	1.87	1.01	.03	0.00
50	.42	4.66	5.23	.26	0.00
89	.86	6.34	16.12	.04	-.02
201	1.53	13.10	27.58	.03	-.05
492	1.45	14.07	25.20	.02	-.07
946	1.25	12.44	21.98	.02	-.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.14	.33	265.03	115.0	17.6
25	1.08	.35	263.34	123.9	11.3
50	.32	.19	230.80	93.3	8.3
89	.08	.11	175.47	45.5	-------
201	-------	-------	141.22	-------	-------
492	-------	-------	215.94	-------	-------
946	-------	-------	265.20	-------	-------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
12	13 NOV 88	0750	37 38.13	74 12.93	415	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	------	------	------	------	------
8	------	------	------	------	------
15	------	------	------	------	------
21	------	------	------	------	------
30	------	------	------	------	------
45	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.27	.52	--------	141.5	21.8
8	1.48	.44	--------	97.0	14.1
15	1.31	.44	--------	116.7	20.7
21	1.28	.49	--------	------	------
30	.94	.43	--------	115.5	17.6
45	.42	.26	--------	83.5	4.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	15 NOV 88	0210	36 52.40	74 41.52	91	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.20	5.84	1.43	.03	------
23	.22	7.34	1.48	.04	------
42	.30	8.84	3.43	.36	------
72	.28	10.34	3.84	.17	------
90	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.25	.45	265.92	150.0	24.9
23	1.64	.40	260.04	174.6	22.0
42	.25	.15	235.28	105.2	17.1
72	------	------	239.36	83.9	9.1
90	.15	.17	-------	85.5	11.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	15 NOV 88	0325	36 59.37	74 40.66	90	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.17	1.43	3.10	-.10	------
24	.36	3.34	4.68	.01	------
43	.40	4.10	5.98	.03	------
72	.75	6.93	13.79	-.05	------
89	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	------	------	261.99	------	------
24	.94	.28	-------	100.8	19.0
43	.29	.27	-------	124.9	15.6
72	.10	.31	-------	65.6	------
89	.06	.18	-------	41.6	6.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	15 NOV 88	0417	37 4.72	74 46.05	100	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.23	1.51	.62	-.03	------
23	.25	1.92	.88	.03	------
43	.54	5.45	6.43	.13	------
73	.80	8.27	11.25	.06	------
99	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.58	.35	266.93	------	------
23	1.16	.50	252.59	137.9	22.0
43	.31	.19	211.91	131.3	19.6
73	.11	.17	193.89	47.9	3.3
99	.08	.15	-------	56.5	9.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	15 NOV 88	0520	37 11.06	74 42.47	92	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.28	1.59	.19	.02	------
20	.27	1.72	.17	.02	------
40	.36	3.19	3.42	.31	------
70	.92	9.15	13.54	.15	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.27	.45	271.70	------	------
20	2.56	.72	270.03	82.4	17.6
40	.57	.22	232.61	188.1	24.8
70	.13	.15	183.16	104.3	17.6

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	15 NOV 88	0620	37 16.95	74 38.11	91	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.27	2.02	.08	.02	------
21	.27	2.08	.22	.03	------
40	.70	7.57	8.20	.13	------
70	.84	7.71	13.30	.11	------
89	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.67	.48	274.72	61.5	6.2
21	2.26	.61	274.15	247.8	18.6
40	.37	.25	213.84	191.1	23.9
70	.11	.12	185.50	36.9	6.2
89	.15	.15	-------	83.0	7.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	15 NOV 88	0715	37 23.30	74 34.03	91	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.30	3.82	.09	.02	------
21	.18	2.67	.26	.06	------
42	.16	2.16	.89	.15	------
89	.84	13.90	14.20	.10	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.58	.35	266.16	188.9	25.8
21	1.31	.55	256.14	124.1	20.5
42	.76	.32	245.40	104.6	17.6
89	.11	.17	180.09	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	15 NOV 88	0815	37 29.41	74 30.58	143	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.34	2.10	.13	.03	------
21	.22	1.65	.64	.15	------
42	.22	1.41	2.14	.34	------
72	1.17	9.24	20.95	.07	------
141	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	2.75	.79	277.30	181.4	28.1
21	1.55	.28	250.72	69.8	9.5
42	.21	.16	233.75	------	------
72	.16	.22	193.35	44.3	3.8
141	.07	.15	-------	35.1	4.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	15 NOV 88	0915	37 35.00	74 24.78	91	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.20	1.92	.04	.02	------
21	.21	1.95	.36	.09	------
40	.78	7.95	10.85	.20	------
70	.93	9.26	14.32	.18	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.55	.34	271.00	150.9	19.6
21	1.92	.65	260.94	106.4	17.2
40	1.06	.67	195.46	------	------
70	.42	.24	177.18	63.8	5.7

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
22	15 NOV 88	1015	37 41.53	74 20.54	92	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.24	1.86	.13	.02	------
22	.23	1.62	.73	.18	------
47	.47	4.11	6.15	.36	------
88	.99	8.54	16.20	.12	------
90	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.26	.61	281.54	188.9	31.0
22	.65	.31	249.54	113.6	19.1
47	.27	.14	212.56	41.3	4.8
88	.32	.28	169.15	73.0	9.1
90	.37	.28	-------	79.1	6.7

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	15 NOV 88	1237	37 41.49	74 20.17	96	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.21	2.06	-.17	.02	------
5	.20	2.27	-.14	.03	------
11	.19	2.24	-.12	.03	------
15	.16	2.79	0.00	.08	------
21	.03	1.99	.45	.20	------
31	-.01	1.75	.99	.35	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.23	.45	-------	198.9	25.8
5	1.73	.46	-------	155.7	20.0
11	1.95	.43	-------	189.8	29.1
15	2.47	.43	-------	207.7	29.6
21	.89	.33	-------	84.3	12.4
31	.35	.18	-------	103.5	12.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	15 NOV 88	2325	37 29.38	74 30.57	134	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.30	1.55	-.22	.03	------
16	.24	1.79	.28	.15	------
31	.21	1.73	1.10	.36	------
75	.61	5.11	9.39	.20	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.92	.61	280.14	174.5	29.1
16	2.29	.28	257.25	------	------
31	.40	.27	238.99	89.4	11.9
75	.18	.30	193.04	87.5	10.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	15 NOV 88	2355	37 28.60	74 30.51	222	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.33	2.05	-.21	.02	------
17	.27	2.02	.37	.17	------
32	.22	1.84	1.06	.29	------
99	.95	7.66	16.06	.08	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.95	.50	279.79	------	------
17	1.79	.28	255.12	------	------
32	.51	.26	242.18	------	------
99	.06	.12	164.40	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	16 NOV 88	0038	37 26.78	74 29.69	321	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.31	2.26	-.33	.05	------
23	.21	1.76	.13	.17	------
51	.19	1.55	.86	.21	------
98	.86	6.79	14.23	.06	------
320	1.59	15.09	25.28	.06	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.29	.47	274.42	165.4	21.8
23	1.42	.39	252.47	68.4	11.4
51	.59	.34	248.93	76.0	8.1
98	.13	.12	168.18	37.4	------
320	------	------	163.98	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	16 NOV 88	0130	37 25.26	74 29.07	500	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.30	2.39	-.23	.07	------
53	.21	1.32	.98	.21	------
104	1.00	7.93	15.46	.09	------
298	1.61	14.77	25.37	.06	------
499	1.47	13.99	22.37	.05	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.32	.43	270.67	181.2	30.5
53	.66	.33	240.91	84.1	8.1
104	.41	.17	167.34	48.0	.9
298	.06	.06	148.75	98.8	1.9
499	------	------	214.59	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	16 NOV 88	0222	37 23.94	74 27.61	478	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.19	1.87	-.17	.07	------
52	.16	1.26	.45	.17	------
103	.94	7.24	14.92	.05	------
304	1.66	15.05	25.97	.04	------
475	1.48	14.06	22.54	.04	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.36	.56	259.15	169.3	------
52	.74	.33	242.51	55.6	------
103	.09	.02	169.71	54.2	3.3
304	------	------	147.50	------	------
475	------	------	205.65	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
29	16 NOV 88	0315	37 23.69	74 24.48	1095	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.14	1.50	-.04	.09	------
47	.15	1.59	.34	.12	------
98	.83	5.90	13.81	.04	------
249	1.68	15.03	26.24	.04	------
501	1.43	13.65	21.69	.03	------
752	1.36	12.94	20.06	.04	------
1092	1.30	12.69	19.00	.03	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.34	.52	253.90	112.6	20.0
47	.98	.51	251.34	------	------
98	.06	.06	171.85	58.5	3.3
249	------	------	142.41	------	------
501	------	------	219.65	------	------
752	------	------	242.25	------	------
1092	------	------	263.26	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
30	17 NOV 88	2025	36 54.50	75 9.48	33	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.46	1.77	-.30	.05	.06
32	.57	2.35	.70	.15	.16

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.04	.49	258.52	191.1	43.4
32	1.67	.33	229.97	141.6	30.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
31	17 NOV 88	2115	36 54.01	75 1.35	37	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.42	1.68	-.32	.02	-.03
23	.45	1.80	-.30	.03	-.01
36	.83	4.45	3.26	.40	.28

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.01	.52	265.06	163.8	30.1
23	2.16	.40	244.86	150.6	29.1
36	1.04	.31	175.12	105.4	13.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
32	17 NOV 88	2210	36 53.46	74 54.00	40	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.49	1.86	-.04	.06	.02
21	.50	1.94	-.05	.06	-.01
39	.89	5.40	5.14	.38	-.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.85	.48	232.52	194.6	36.5
21	1.85	.41	239.25	180.5	25.8
39	1.25	.27	186.26	68.5	13.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
33	17 NOV 88	2255	36 53.02	74 48.60	55	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.35	1.55	-.30	.03	-.03
22	.33	1.50	-.25	.03	-.02
54	.51	2.98	3.15	.34	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.44	.43	257.39	105.4	17.7
22	1.38	.45	248.67	161.7	32.7
54	.68	.13	220.32	65.7	10.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
34	17 NOV 88	2335	36 52.63	74 42.93	82	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.37	1.81	-.19	.08	.05
22	.34	1.74	-.15	.07	.05
51	.45	2.92	1.99	.54	.06
81	1.11	7.27	10.94	.28	.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.97	.23	256.80	126.8	17.2
22	.93	.22	256.95	119.6	17.2
51	.32	.09	233.28	45.5	7.2
81	.15	.22	173.69	48.9	1.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
35	18 NOV 88	0010	36 52.42	74 39.29	124	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.38	1.66	-.32	.05	0.00
22	.38	1.63	-.23	.05	.01
52	.45	2.56	1.57	.45	.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.30	.37	261.06	111.8	14.4
22	1.21	.42	260.93	107.9	13.9
52	.27	.12	239.12	34.0	3.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
36	18 NOV 88	0049	36 52.04	74 36.22	758	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	------	------	------	------	------
51	.39	2.28	.62	.30	.09
98	1.50	8.80	15.94	.10	-.06
201	1.93	10.96	22.00	.04	-.06
303	2.36	14.98	25.99	.04	-.07
393	2.16	14.27	23.61	.04	-.07
590	1.90	12.76	20.63	.04	-.07
757	1.83	12.47	20.03	.04	-.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.21	.34	261.78	------	------
51	.62	.15	241.41	73.3	13.4
98	.09	.10	160.42	37.2	6.2
201	------	------	141.85	------	------
303	------	------	146.40	------	------
393	------	------	183.77	------	------
590	------	------	233.65	------	------
757	------	------	247.79	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
37	18 NOV 88	0200	36 51.70	74 32.44	1287	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.34	1.67	-.42	.03	.07
22	.31	1.64	-.39	.03	.03
76	1.25	8.38	11.68	.12	.01
198	1.95	10.27	21.62	.05	.01
496	2.11	13.48	22.25	.02	-.04
792	1.90	12.20	19.86	.02	-.03
1063	1.87	11.94	19.45	.02	-.03

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.13	.34	265.94	140.4	25.4
22	1.22	.34	214.86	86.4	14.4
76	.12	.11	181.79	21.9	1.4
198	------	------	144.13	------	------
496	------	------	213.56	------	------
792	------	------	253.29	------	------
1063	------	------	262.76	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
38	18 NOV 88	0342	36 51.30	74 28.81	1675	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	.39	1.64	-.33	.04	.04
21	.34	1.63	-.28	.04	.07
102	1.53	8.97	16.86	.08	-.04
300	2.50	16.57	28.06	.05	-.04
598	1.90	12.62	21.10	.04	-.01
997	1.75	11.85	19.49	.02	-.04
1506	1.74	12.40	19.37	.02	-.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.45	.43	268.11	158.4	28.6
21	1.14	.33	264.48	123.3	22.4
102	.06	.07	161.62	54.0	7.6
300	------	------	142.25	------	------
598	------	------	231.33	------	------
997	------	------	265.08	------	------
1506	------	------	269.01	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
39	18 NOV 88	0525	36 51.05	74 24.84	1940	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.39	1.75	-.36	.04	.14
20	.35	1.61	-.33	.03	.06
95	1.19	6.05	12.68	.04	-.06
301	2.39	15.14	25.85	.03	-.06
599	1.88	12.45	20.05	.03	-.06
999	1.79	11.80	18.59	.02	-.05
1502	1.79	12.41	18.41	.02	.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.21	.38	262.48	111.6	19.1
20	1.16	.33	265.47	128.4	28.6
95	.07	.08	165.91	55.4	5.3
301	------	------	144.54	------	------
599	------	------	239.86	------	------
999	------	------	264.32	------	------
1502	------	------	266.88	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
40	18 NOV 88	0705	36 50.68	74 20.34	1940	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.38	2.18	-.08	.08	0.00
21	.33	2.13	-.10	.08	-.04
101	1.16	7.03	12.29	.04	-.08
299	2.36	15.19	26.93	-.21	-.12
597	1.86	12.75	21.01	-.21	-.09
1000	1.72	11.99	19.38	-.21	-.14
1462	1.70	12.24	19.01	-.21	-.17

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	.99	.37	260.35	143.4	20.3
21	1.11	.21	261.23	75.4	11.7
101	.13	.09	174.51	48.7	6.2
299	------	------	144.02	------	------
597	------	------	233.28	------	------
1000	------	------	265.88	------	------
1462	------	------	274.56	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
41	18 NOV 88	1255	37 34.15	74 35.50	57	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	.33	1.65	-.33	.03	.07
6	.32	1.88	-.35	.03	.06
10	.32	2.11	-.31	.03	-.06
13	.32	2.36	-.30	.03	-.05
18	.32	2.17	-.28	.03	-.04
27	.31	2.00	-.19	.07	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.73	.61	--------	126.8	24.3
6	1.82	.51	--------	178.6	33.9
10	1.85	.45	--------	127.7	24.8
13	1.67	.44	--------	186.9	31.3
18	1.89	.45	--------	150.1	33.6
27	1.39	.57	--------	113.7	22.6

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
42	18 NOV 88	1647	37 32.11	74 27.13	86	1

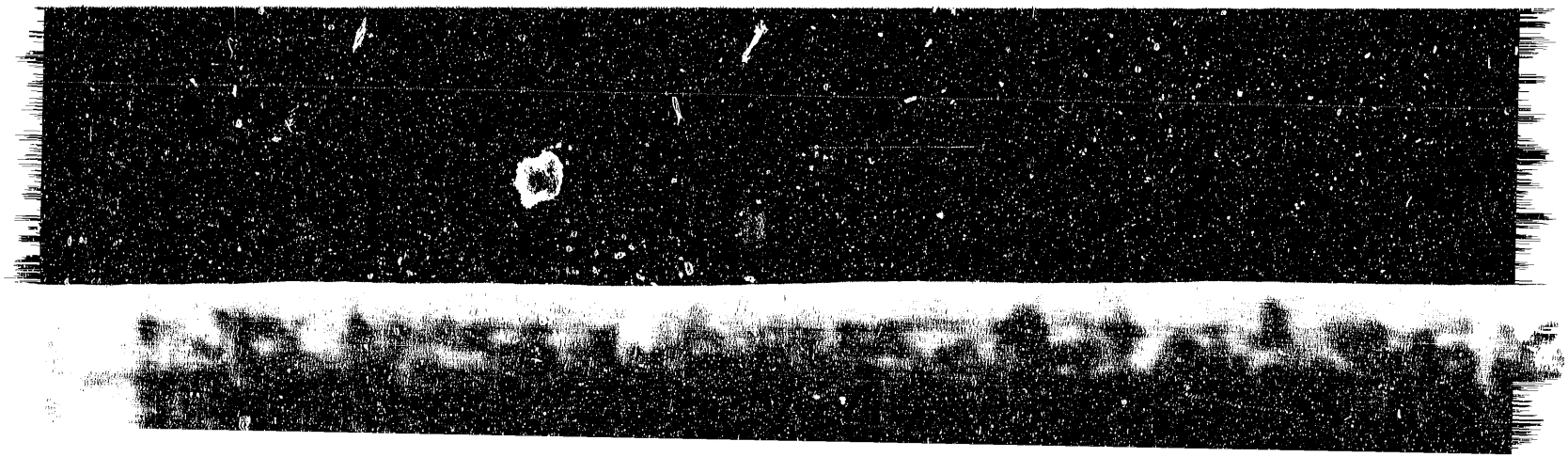
PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.32	1.90	-.26	.08	-.02
10	.31	1.90	-.23	.08	-.02
25	.30	1.98	.25	.19	.01
36	.32	2.05	.67	.41	.06

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.98	.40	-------	-------	-------
10	2.19	.33	-------	-------	-------
25	1.61	.24	-------	-------	-------
36	.85	.15	-------	-------	-------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
43	19 NOV 88	1252	37 38.11	74 10.83	735	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.20	1.06	-.14	.09	.03
10	.17	.69	-.18	.08	.05
14	.17	.74	-.14	.08	-.01
22	.16	1.11	-.04	.08	.01
31	.15	1.11	-.01	.08	.01
42	.19	1.13	.45	.25	.26

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.22	.42	-------	74.7	14.3
10	1.24	.44	-------	75.4	9.1
14	1.04	.27	-------	79.8	10.0
22	1.14	.40	-------	66.7	9.3
31	1.04	.32	-------	78.2	16.2
42	.43	.23	-------	49.9	9.5



STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
44	19 NOV 88	1457	37 28.41	73 53.34	1840	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.17	1.23	-.31	.06	-.13
53	.15	1.33	.78	.34	-.09
102	.72	4.91	13.26	.06	-.12
150	1.13	8.27	20.34	.05	-.12
201	1.58	13.90	27.19	.05	-.06
300	1.59	14.87	26.71	.05	-.16
393	1.60	15.16	26.27	.03	-.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.27	.37	259.57	------	------
53	.36	.24	241.94	------	------
102	------	------	180.16	------	------
150	------	------	149.32	------	------
201	------	------	139.93	------	------
300	------	------	138.57	------	------
393	------	------	164.61	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
45	19 NOV 88	1655	37 32.99	74 2.32	1270	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.23	1.71	-.41	.03	-.17
51	.20	1.45	.81	.43	-.19
100	.84	5.78	14.68	.04	-.20
151	1.42	11.27	24.12	.03	-.20
200	1.42	11.28	24.08	.03	-.22
301	1.69	15.56	27.88	.03	-.22
398	1.56	14.73	25.37	.02	-.11

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.56	.45	272.96	------	------
51	.38	.38	238.64	------	------
100	------	------	223.36	------	------
151	------	------	153.24	------	------
200	------	------	135.06	------	------
301	------	------	131.90	------	------
398	------	------	174.35	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
46	19 NOV 88	1818	37 36.81	74 10.13	965	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.21	1.88	-.09	.11	-.02
50	.23	1.76	1.65	.32	-.04
101	1.01	8.59	15.72	.09	-.04
152	1.31	9.98	21.81	.04	-.04
192	1.44	11.36	23.55	.04	-.05
302	1.70	15.60	26.88	.03	-.05
401	1.53	13.85	23.52	.02	-.05
599	1.32	12.37	20.58	.02	.44
796	1.26	11.95	19.59	.02	.63
873	1.25	11.85	19.46	.02	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.33	.41	254.96	------	------
50	.39	.18	234.21	------	------
101	------	------	162.07	------	------
152	------	------	140.45	------	------
192	------	------	136.34	------	------
302	------	------	149.04	------	------
401	------	------	190.13	------	------
599	------	------	235.32	------	------
796	------	------	252.37	------	------
873	------	------	257.16	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
47	19 NOV 88	1945	37 38.19	74 13.50	325	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.18	1.25	-.18	.09	-.07
50	1.08	9.23	16.02	.09	-.07
100	1.18	9.15	18.61	.07	-.05
151	1.47	11.81	23.30	.05	-.05
202	1.61	14.72	24.76	.05	-.02
300	1.61	14.71	25.08	.04	-.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.48	.45	258.10	------	------
50	.22	.13	159.03	------	------
100	------	------	149.32	------	------
151	------	------	137.06	------	------
202	------	------	162.94	------	------
300	------	------	163.63	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
48	19 NOV 88	1955	37 39.96	74 17.43	105	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
26	.22	1.75	-.04	.16	-.01
51	.19	1.55	.09	.18	.03
95	.44	3.69	5.25	.36	-.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
26	1.18	.53	256.94	------	------
51	1.27	.41	250.13	------	------
95	------	------	248.89	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
49	19 NOV 88	2108	37 40.58	74 20.59	95	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.15	1.45	-.41	.07	-.03
31	.16	1.27	.01	.21	.16

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.44	.45	259.98	------	------
31	.63	.37	247.78	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
50	19 NOV 88	2235	37 43.61	74 29.41	59	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
32	.26	2.04	-.24	.04	-.04
57	.89	10.77	8.93	.17	-.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
32	1.55	.34	270.05	------	------
57	.77	.19	183.89	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
51	19 NOV 88	2329	37 45.60	74 38.09	53	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.09	.80	-.35	-.03	-.10
32	.06	.50	-.10	-.03	-.08
51	.54	9.03	8.47	.18	-.09

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.07	.49	274.21	-------	-------
32	2.16	.51	268.28	-------	-------
51	.94	.23	187.02	-------	-------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
52	20 NOV 88	0012	37 47.64	74 44.65	39	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.39	1.01	-.38	.05	.21
21	.37	1.00	-.33	.04	-.01
36	.64	5.22	3.37	.18	.08

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	3.65	.84	-------	------	------
21	3.37	.70	263.49	------	------
36	3.62	.68	222.24	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
53	20 NOV 88	0118	37 52.02	74 54.85	27	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.25	------	------	.02	-.07
24	.35	------	------	.02	-.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	3.24	.79	262.16	------	------
24	3.55	.97	262.80	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
54	20 NOV 88	0208	37 55.78	75 1.89	17	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.40	.36	-.20	.03	-.08
14	.40	.38	-.13	.02	-.06

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	4.08	.03	268.02	------	------
14	3.99	.73	267.41	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
55	20 NOV 88	0254	37 57.73	75 6.07	13	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.53	.28	-.19	.02	------
10	.43	.28	-.21	.02	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	2.56	.64	271.06	------	------
10	2.90	.60	265.24	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
56	20 NOV 88	1403	38 51.70	72 47.03	1250	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	------	------	------	------	------
8	------	------	------	------	------
15	------	------	------	------	------
20	------	------	------	------	------
30	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	.91	.31	-------	------	------
8	.93	.30	-------	------	------
15	.88	.31	-------	------	------
20	.88	.27	-------	------	------
30	.90	.33	-------	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
57	20 NOV 88	2244	39 39.52	70 53.91	924	1

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
7	------	------	------	------	------
52	------	------	------	------	------
98	------	------	------	------	------
166	------	------	------	------	------
316	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
7	------	------	247.44	------	------
52	------	------	248.35	------	------
98	------	------	181.35	------	------
166	------	------	156.91	------	------
316	------	------	141.34	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
58	21 NOV 88	0038	39 50.00	70 55.06	975	2

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
6	------	------	------	------	------
46	------	------	------	------	------
99	------	------	------	------	------
150	------	------	------	------	------
198	------	------	------	------	------
296	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
6	------	------	258.29	------	------
46	------	------	248.55	------	------
99	------	------	170.21	------	------
150	------	------	149.73	------	------
198	------	------	139.05	------	------
296	------	------	150.72	------	------

END

DATE FILMED

5/5/92